MVIX PVR Player

Ver 2.0
User Guide
www.mvix.net

Safety Notes
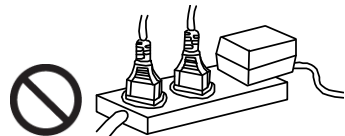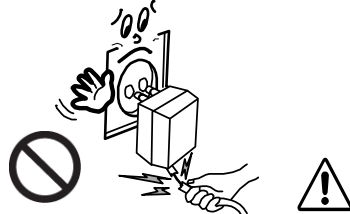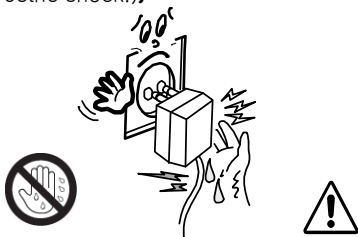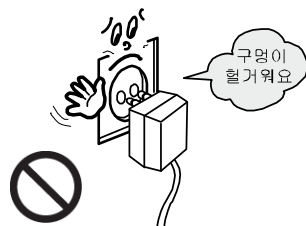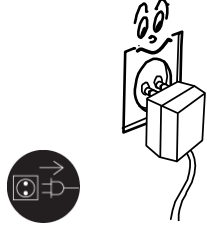
MvixPVR

The following are to protect safety of user and to prevent damages to property.♪
Use product properly after carefully reading the following contents.♪

 Warning ♪ Violating instructions ♪ may lead to serious ♪ injury or death.♪

 Caution♪ Violating instructions ♪ may lead to slight ♪ injury or damage to ♪ product.♪

○ Instructions ♪

	Act prohibited♪		Contact by wet hand prohibited♪ ♪
	Modification prohibited♪ ♪		Power plug to be separated from power outlet♪

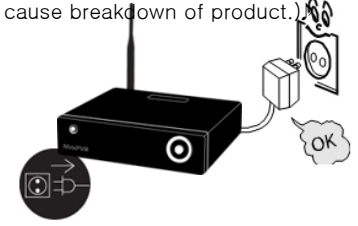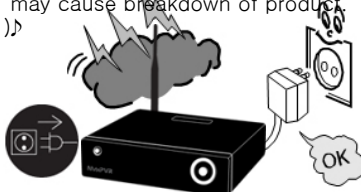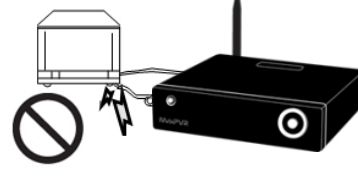| Do not connect a number of power plugs at the same time. (This may generate heat or cause fire.)♪	Do not forcefully pull out power cord. (Breakage of power cord may cause fire and electric shock.)♪	Do not insert of pull out power plug with wet hand. (This may cause electric shock.)♪
Do not insert power plug if it fits loose to power outlet. (This may cause fire or electric shock.)♪	Make sure to turn off power switch and pull out power plug when moving product.♪	Do not place plant pots, cups or objects filled with chemical or water, etc. on top of product. (This may cause breakdown of product.)♪
Clean the outside of product by wiping it with lightly wet or dry towel. (Using detergent for grease removal, thinner or heavily wet towel, etc. may cause breakdown of product.)♪	Product must not be disassembled, repaired or modified. Take caution not to have foreign substances inserted into products. (This may cause breakdown of product or electric shock.)♪	Do not forcefully bend the connected power cord or have it pressed down by heavy objects. (This may cause fire or electric shock.)♪

Safety Notes

MvixPVR

The following are to protect safety of user and to prevent damages to property.♪
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⚠ Warning♪	Violating instructions ♪ may lead to serious ♪ injury or death.♪	⚠ Caution♪	Violating instructions ♪ may lead to slight ♪ injury or damage to ♪ product.♪

○ Instructions ♪

🚫	Act prohibited♪	🚫	Contact by wet hand prohibited♪
🚫	Modification prohibited♪		Power plug to be separated from power outlet♪

Do not drop objects on top of product or exert impact to product. Keep product away from severe vibration or magnetic objects.)♪	Do not place plant pots, cups or containers filled with chemical or water, etc. on top of product. (This may cause fire/ electric shock. Falling of the objects may also cause injury.)♪	Do not place heavy objects on top of product. (Falling of objects may cause injury.)♪
Do not cover up product or install it in places with poor ventilation, such as a wall closet, etc. ♪	Install product in level and stable place. (Otherwise, product may not operate normally.)♪	Product must not be disassembled, repaired or modified. Take caution not to have foreign substances inserted into products. (This may cause breakdown of product or electric shock.)♪
Do not install product in places where temperature is too high (35° or higher)/ too low (5° or less) or humidity is high.♪	Do not install product under direct sunlight or near objects of heat, such as lit candle, cigarette or fire, etc.♪	Do not place product in water. (This may cause breakdown of product or electric shock.)♪

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MvixPVR

About Product

PVR Function

Using MvixPVR, you can record a film you are watching on real-time basis with a single remote controller button. Also, while record is in progress, you can check the film being recorded. Using Recording library menu, you can view title of the film being recorded. By playing the title of the recorded film, you can view the film per stage in slow motion with the Slow key on the remote
control. This function is convenient to use when watching sports with fast actions.

The new MvixLive function has been created to use the massive media data that exist in the Internet, such as You Tube media files and Picasa serviced by Goggle, etc. We will provide you with better and greater service through continuous update.

MvixPVR supports time shift function. The film you are watching can be temporarily stopped on a real-time basis. The time shift function will allow you to stop watching a the TV show at any point (for a unexpected reasons) and allow you to continue where you stopped at a later stage so as to ensure that you do not miss out on the TV show. During time-shifting mode you can also rewind or use slow motion in progress. (Time shift does not create recorded file.)♪

MvixPVR supports scheduler function that executes recoding by automatic booting on the preset date and time, even when the product function has been stopped..

MvixPVR supports the basic function to easily edit video content. You can simply cut, separate, split, merge and copy video content by using the buttons on the remote control.

MvixPVR supports UPnP server functions. MvixPVR supports free DDNS so that you can connect to the internal HDD of the PVR not only from your local PC, but also from any PC with a Internet connection. This function can be used from an external device that supports UPnP client.

The built in iPod dock makes it possible to use your iPod on the MvixPVR. When using a iPod that that supports TV-OUT function you can easily display your iPod video content on your TV. Ipod recording and charging functions are also supported. The MvixPVR remote also controls many of the iPod functions.

※ Unicorn Information System does not hold responsibilities for recording commercial broadcasting contents and showing them for illegal/ commercial purposes rather than personal/ non-commercial use or trading the recorded contents illegally. Note that the person recording the contents shall wholly assume civil accountability/ criminal responsibility.

 Multimedia library♪

High Resolution HD-level File Play: MvixPVR supports the max. of 1920X1080 interface scan to provide clear and high resolution picture quality. ♪
♪
♪

Supporting Diverse Movie Format Types♪

MvixPVR supports a variety of HD files, such as TP, TS and TRP files, but also MPEG, DivX (3/4/5), Xvid, DAT, ISO, DVD (VOB, IFO) and MKV / WMV / ASF / MOV (if using MvixFTS), etc. You can conveniently enjoy watching movies anywhere as long as you have access to a display device, such as TV, etc. (supporting SD-level film play for MKV). ♪
♪

Convenient Copy ♪

MvixPVR allows you to copy a recorded media file (with FAT32 partition) to a network-connected PC. Also, you can copy files by high-speed from PC to MvixPVR HDD or to USB storage device connected to MvixPVR.♪
♪
♪

Supporting Diverse Music Files ♪

MvixPVR supports a variety of music sources, such as MP3, OGG, WAV, WMA, AC3 and DTS, etc. As the player supports fast rewind/ forward functions, you can quickly find the desired part you require for listening. ♪
♪
♪

Digital Photo Album♪

MvixPVR supports the upgraded JPEG and BMP image files. The entire family can enjoying watching the files through TV, etc. Also, vertically photographed filed can be rotated in screen for viewing without requiring modification. ♪
♪
♪

Network-shared File Play♪

Files shared on a network can be played through wired/ wireless means without having to move them to the MvixPVR hard disk.. ♪
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♪

Supporting USB Host♪

MvixPVR supports 2 USB2.0 hosts. By connecting USB external storage devices, you can easily add additional storage to the MvixPVR and play the files on the external USB devices. A USB type memory card reader, etc. can also be used. ♪
♪
♪

Supporting High Resolution HDMI♪

Built in with HDMI terminal for digital signal output, MvixPVR enables you to enjoy video content with better picture quality..♪
♪
♪
♪

5.1CH Audio Output and Down Mix Function ♪

MvixPVR provides 5.1CH AC3 audio and DTS, etc. Also, down mix function lets you play 2CH audio through TV, etc. without requiring an additional decoding device, such as amplifier, etc. (optical, coaxial). ♪
♪

Notes

1	Contents with copyright, such as music sources or media contents, etc., are protected pursuant to the related laws and regulations, such as Copyright Act, etc. The legal responsibilities in violating copyright or intellectual property right by using this product shall be assumed by the user.
2	Make sure to check CODEC of the file to be played. This product does not support media files of all CODEC types. Only the playable CODEC files must be used. Change media file or CODEC that is not supported into the supported file by using specific utilities, etc. Even if CODEC is playable, the file may not be successfully played according to file characteristics or user environment.
3	When removing USB after connection to a PC, make sure to protect data and prevent erroneous operation of product by removing safety device. Also, make sure to turn off power of product when connecting or disconnecting separate storage devices to USB host of product. Otherwise, it may cause erroneous operation of product.
4	For hard disk, use 3.5" SATA type HDD. It must be formatted by the format method used by product. So, make sure to complete formatting when using product for the first time. Format erases all data. Make sure to back up.
5	This product uses a Windows PC and network sharer function. Network sharer may not operate normally due to error in Windows program or user environment. Unicorn Information System is not liable for this.
6	Save data stored in this product separately in a safe location. Unicorn Information System does not assume responsibilities for loss of or damage to the stored data.
7	Do not drop or exert impact to product. This may cause breakdown of product.
8	Protect inside of product from metallic objects or combustible foreign substances, etc. This may cause fire or breakdown of product.
9	Do not randomly disassemble, modify or repair product. This may cause breakdown of product. After-sale service will be provided at cost for breakdowns caused by random disassembly, modification or repair.
10	Keep product not to be in contact with water or liquid. Also, do not use product in a humid area. This may cause fire, electric shock or breakdown of product.
11	Do not clean the surface of product with chemical substances or detergents. This may damage the surface of product.
12	Do not expose product to high heat or direct sunlight. Long-term storage or use in high temperature may cause breakdown or disable successful file play. Make sure to use product in a well-ventilated area.
13	Do not leave product near highly magnetic objects. This may lead to data loss and breakdown of product.
14	Connect all cables when power to MvixPVR and TV is turned off. Mvix can be used as a multimedia player and a mobile disk when connected to PC. However, both functions cannot be used simultaneously.
15	Product may not operate successfully if used for a long period of time or used in areas with harmful elements. If buffering occurs, stop operation and restart product. Or rebooting is also recommended.

Specifications

Titles of Parts♪
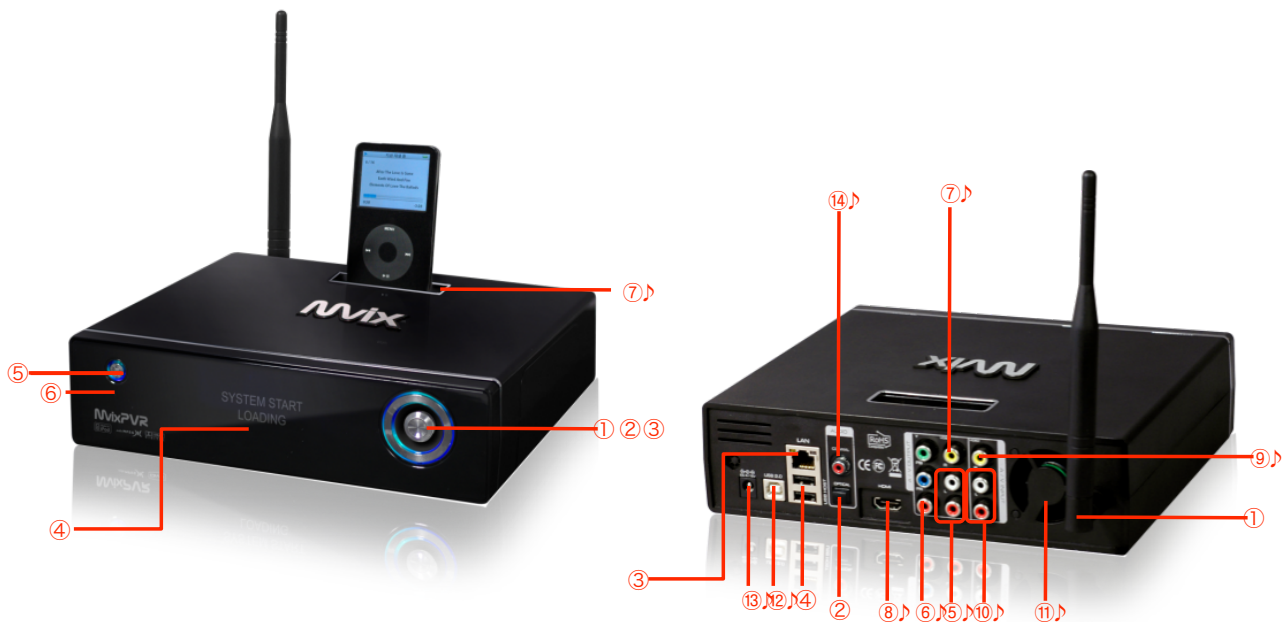
Front♪
① Direction key (up/ down/ left/ right)♪
② Direction key OK (press)♪
③ Direction key OK (press by 3 seconds or longer –> move to HOME)♪
④ LCD status window♪
⑤ Power button♪
⑥ IR reception part♪
⑦♪ iPod expand connections♪

Back♪
① Wireless antenna♪
② Optical terminal♪
③ 10/100Mbps LAN port♪
④ USB2.0 A-type 2-port host♪
⑤ Stereo RCA terminal♪
⑥ Component terminal♪
⑦ Composite terminal♪
⑧ HDMI terminal♪
⑨ Input composite terminal♪
⑩ Input stereo RCA terminal♪
⑪ Fan♪
⑫ USB 2.0 A-type slave♪
⑬ Power♪
⑭ **Coaxial terminal**

Specifications

Specifications

Product Name	MvixPVR	
Operating System	Linux	
File Format	Recording Partition : UDF (UNIX file system) File Partition : FAT32 / NTFS	
Encoding (Recording)	Recording Mode	HQ, SP,LP,EP,SLP
	Video	MPEG II (PAL 720x576, 352x576 / NTSC 720x480, 352x480)
	Audio	MPEG II (48KHz Stereo 256Kbps / 192Kbps)
Supported Files & Formats	Video	MPEG2 HD(ts,tp), Divx HD(avi), Xvid HD(avi), MPEG1/2 (dat,mpg.vob.ifo.iso), Divx (avi), Xvid(avi), MKV(NOT H.264), (MvixFTS use : MKV(H.264 720P), RMVB, MOV,WMV)
	Audio	MP3, WMA, ACC, OGG, WAV, AC3, DTS decoding including down-mixing, DTS pass through
	Image	BMP, HD JPEG/JPG,GIF,PNG,TIFF/TIF(Progressive JPEG not supported)
Video Input	Composite,	
Video Output	Composite, Component, and HDMI 1.1 With CEC	
Audio Output	Analog	Stereo RCA
	Digital	Coaxial, Optical
TV System	NTSC, PAL, or HDMI AUTO	
Hi-Def Decoding	HD COMPONENT Y, Pb, Pr (480, 720,1080) / HD HDMI (480, 720,1080i)	
	WMV, ASF, AVI and MP4 formats	
Audio Decoding	MPEG-1 and MPEG-2 Layers I, II and III (MP3), MPEG-2 BC multi-channel layers I, II and III, MPEG-2 and MPEG-4 AAC-LC,WMA9 and WMA9 Pro decoding	
Networking	Wire	Ethernet (10/100) LAN via RJ-45 Port
	Wireless	Wireless LAN
Network Security	Wireless: WEP, WPA,	
Network Protocol	Wireless : IEEE802.11b/g, 5dBi antenna (SMA type) Wire : 10/100Mbps Fast Ethernet (RJ45) TCP/IP (DHCP client mode, Manual IP mode)	
Hard-Disk Type	3.5" Internal SATA Ⅰ/Ⅱ (Not included)	
USB Interface	USB2.0 host, USB2.0 Slave	
Power	Adapter : Input : AC 100V-240V, 50/60Hz Out put : DC 12V, 3A DC In : 12V	
Dimension	225mm(W) X 200mm(H) X 59mm(D)	

Components

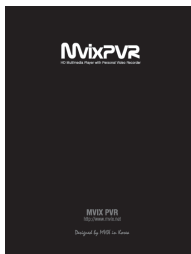| MvixPVR R2 | Remote Control | 5dBi Antenna | HDMI Cable |

| A/V Cable | Power Adaptor | Power Cable | USB Cable |

| User Manual | Driver CD | HDD Guard | HDD Fixing Screw |

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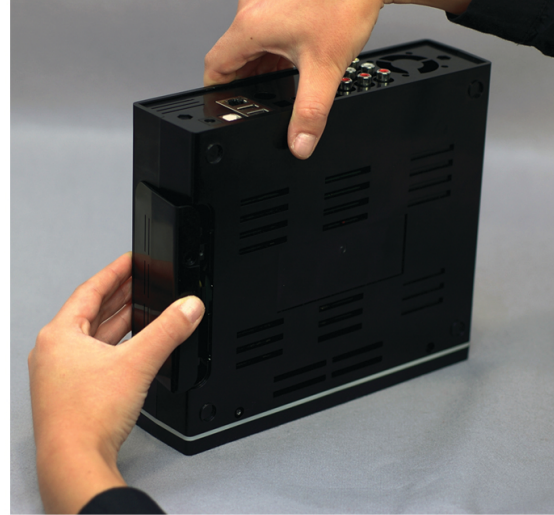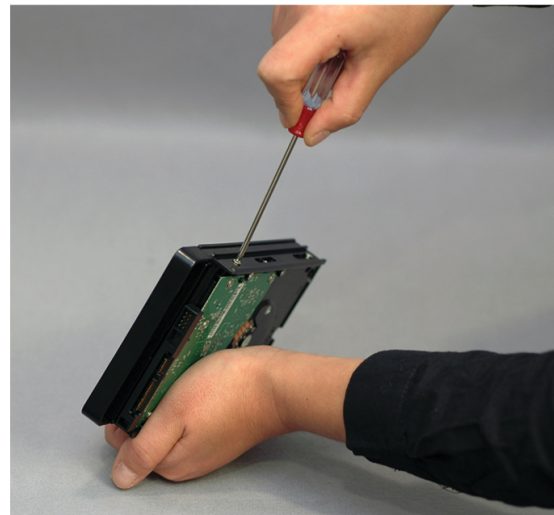
AAA Battery
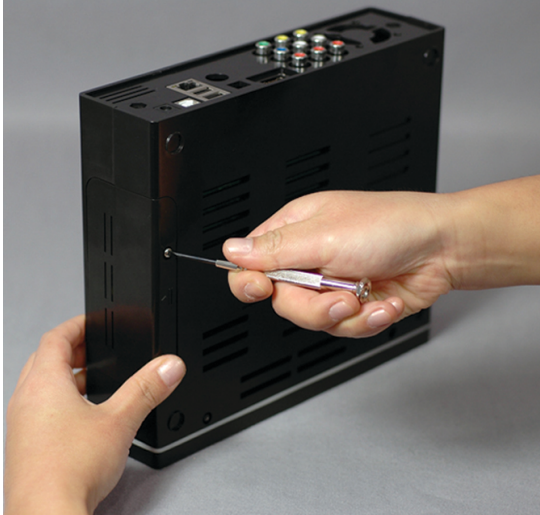
1. As shown above, unfasten the HDD cover screw and open the HDD cover on the side of product.

2. Remove the HDD cover on the side of product by pressing it down in the middle as shown in the picture.

3. Separate the HDD guard from the main body of MvixPVR.

4. Connect the HDD guard and SATA HDD as shown in the picture. Fasten screws.

⚠ **HDD connection terminal must be on the left.**

Hardware Installation

5. As shown above, slowly push the HDD guard togeth er with the SATA HDD into the main body of MvixPVR.

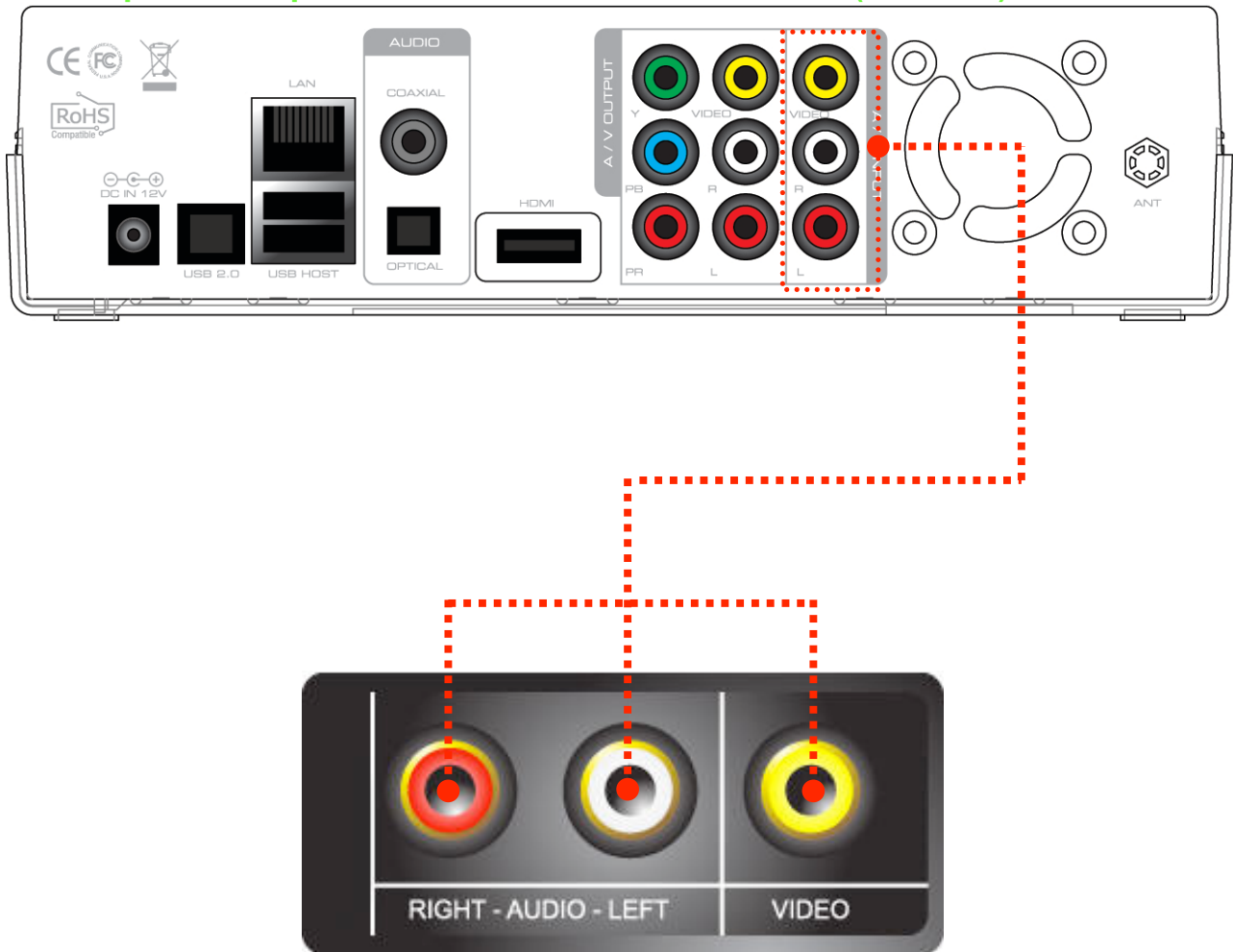6. Install power cable and SATA cable to the mounted hardware.

7. When hardware mounting is completed, close the c over and fasten the screw by rotating it in clockwise dir ection.

8. Hardware installation of the MvixPVR has been completed.

MvixPVR

Composite Output Device Connection to Video In (Video IN)

AUDIO

LAN

COAXIAL

A / V OUTPUT

Y VIDEO VIDEO

PB R R

PR L L

ANT

RoHS
Compatible

DC IN 12V

HDMI

USB 2.0 USB HOST OPTICAL

RIGHT - AUDIO - LEFT VIDEO

IPTV Set Top Box Input Device Connection
Only composite connection input is possible. Therefore, composite input terminal must be connected to Mvix in the set top box. In set top box, connect yellow cable for video signal as well as red and white cables for audio signal output. Then, to A/V INPUT terminal at the back of Mvix, connect yellow, red and white cables accordingly.

Bypass Support (Composite => Power Off => Composite)
Even when Mvix power is turned off, signals sent into A/V Input are still transmitted. Bypass function of MvixPVR can be activated only when using composite input and output. If Mvix power is on, all outputs to HDMI/ component/ composite are supported.

<IP Set Top Box or Other Digital Set Top Box >

연결방법

## HDMI and Composite Output Connection
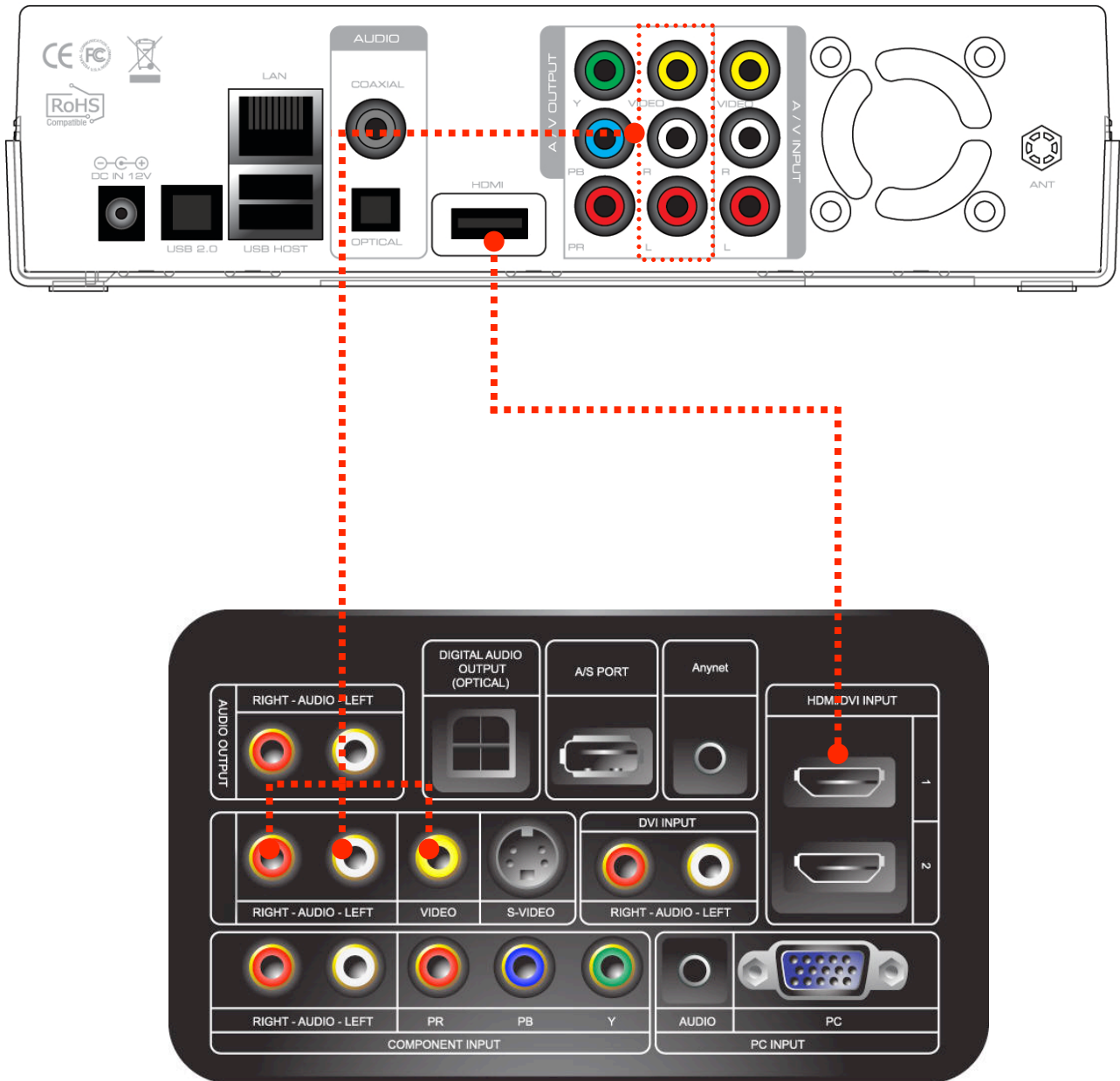
Composite Cable Connection
Connect yellow cable for video signal to the terminal located at the back of side of TV. Then, select external input of TV. Connect the remaining red and white terminal cables to the left/ right and audio output terminal at the back of the device. Then, connect red and white cables to the left/ right terminal of DTV input or component audio input located at the back of digital TV.

HDMI Cable Connection
Connect HDMI cable to HDMI terminal at the back of product. Connect the remaining cable terminal to HDMI terminal at the back of digital TV
※ Make sure to carefully distinguish between input and output terminals.

연결방법

MvixPVR

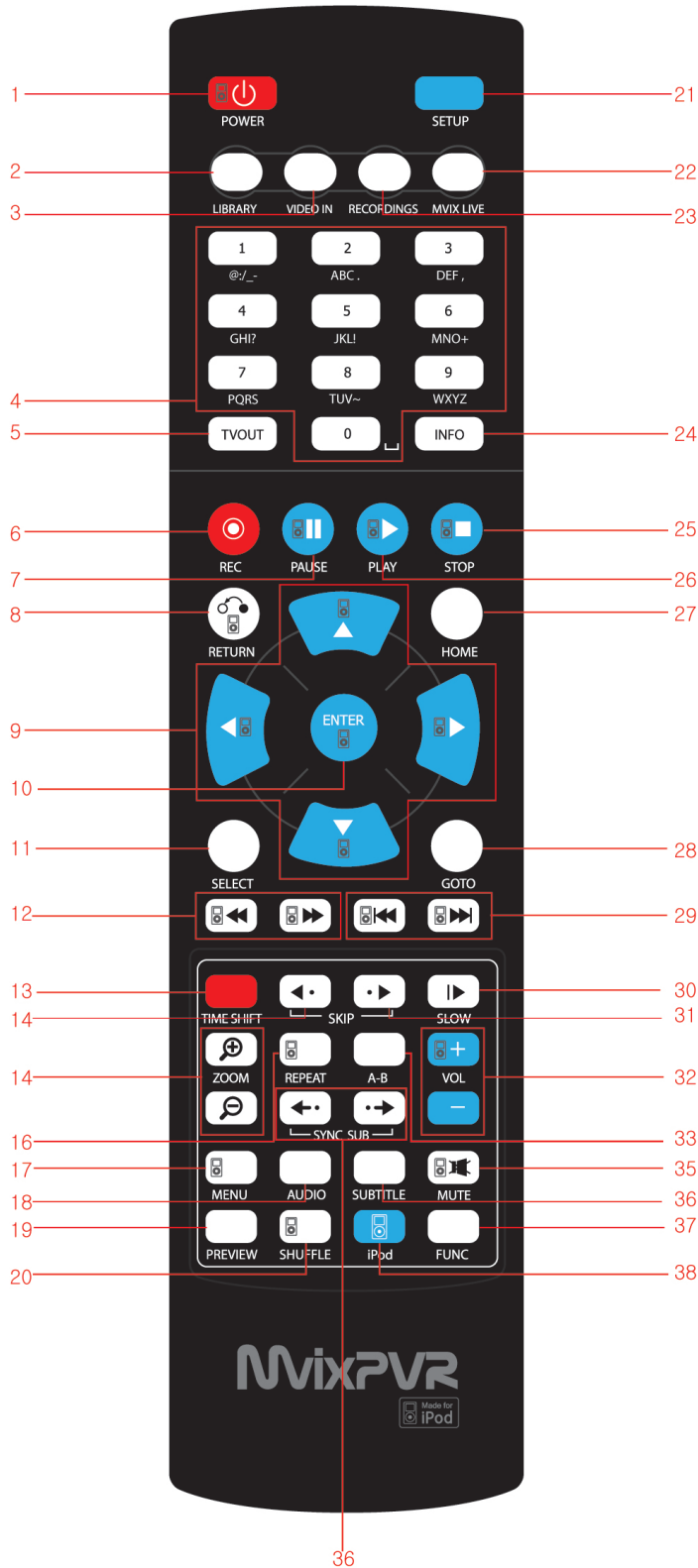## Audio Output Connection
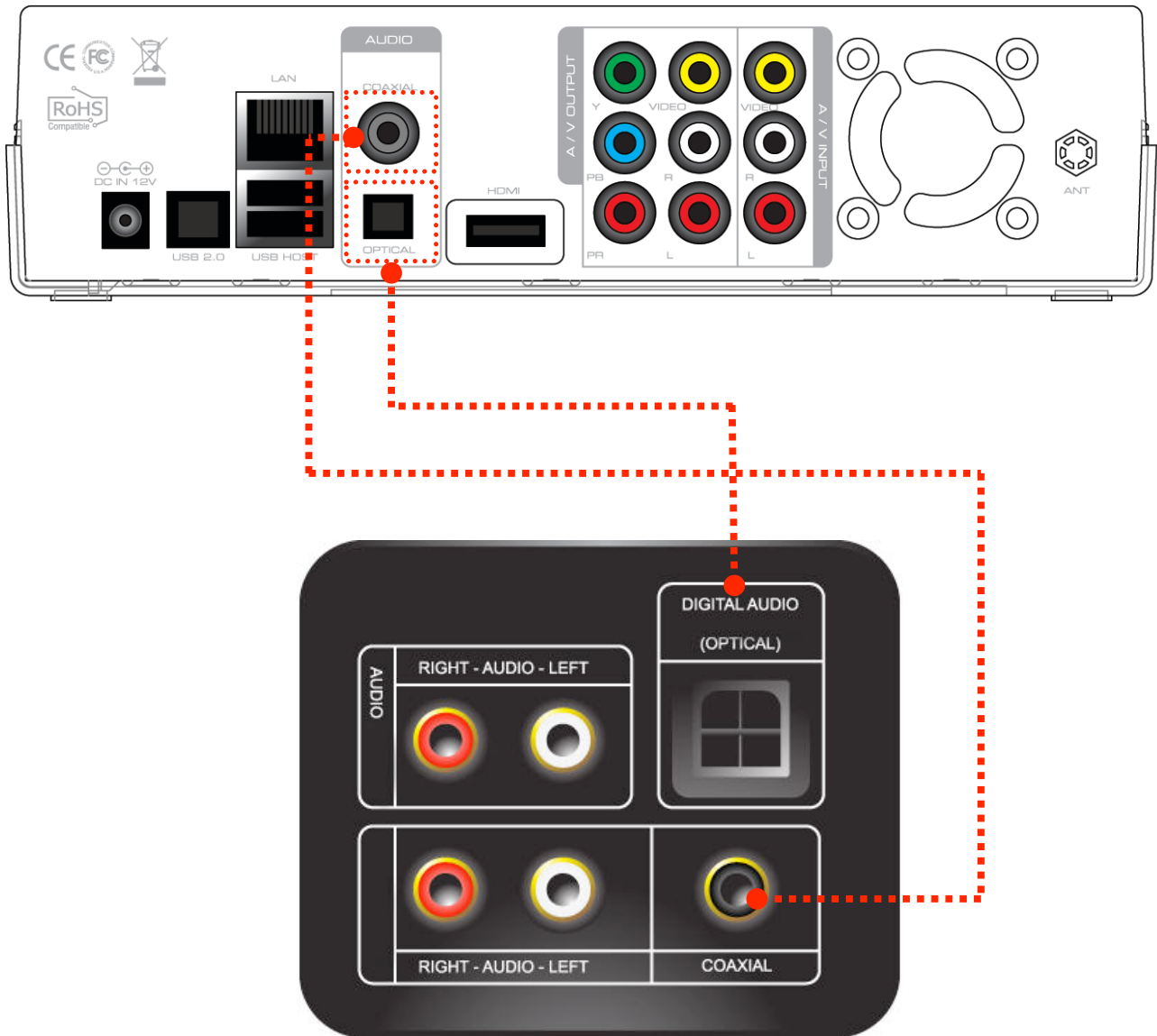
Coaxial Cable Connection

You can enjoy high-quality sound 5.1CH if the audio device is an amplifier or a receiver with coaxial cable input terminal. Connect coaxial cable to Coaxial of Mvix as shown above. Then, connect amplifier or receiver to enjoy 5.1CH.

Optical Cable Connection

You can enjoy high-quality sound 5.1CH if the audio device is an amplifier or a receiver with optical output cable input terminal. Connect optical cable to Optical, the optical output terminal of Mvix as shown above. Then, connect amplifier or receiver to enjoy 5.1CH.

MVixPVR

1	POWER	21	SETUP
2	LIBRARY	22	
3	VIDEO IN RECORDINGS MVIX LIVE	23	

1 @·/_-	2 ABC .	3 DEF ,
4 GHI?	5 JKL!	6 MNO+
7 PQRS	8 TUV~	9 WXYZ
TVOUT	0	INFO

6	REC PAUSE PLAY STOP	25	
7		26	
8	RETURN	27	HOME
9	ENTER		
10			
11	SELECT	28	GOTO
12		29	
13	TIME SHIFT SKIP SLOW	30	
14		31	
14	ZOOM REPEAT A-B VOL	32	
16	SYNC SUB	33	
17	MENU AUDIO SUBTITLE MUTE	35	
18		36	
19	PREVIEW SHUFFLE iPod FUNC	37	
20		38	

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MVixPVR
Made for iPod

1. POWER //STAND BY♪		
2. LIBRARY♪	21. SETUP♪	
3. VIDEO IN♪	22. MVIX LIVE♪	
4. NUMBER BUTTONS♪	23. RECORDINGS♪	
5. TVOUT♪	24. INFO♪	
6. REC♪	25. STOP♪	
7. PAUSE♪	26. PLAY♪	
8. RETURN♪	27. HOME♪	
9. NAVIGATION buttons♪	28. GOTO♪	
10. ENTER♪	29. PREV/NEXT♪	
11. SELECT♪	30. SLOW♪	
12. FR/FF♪	31. SKIP >♪	
13. TIME SHIFT♪	32. VOL♪	
14. SKIP < ♪	33. A−B♪	
15. ZOOM + −♪	34. SUBTITLE♪	
16. REPEAT♪	35. MUTE♪	
17. MENU♪	36. SYNC < >♪	
18. AUDIO♪	37. FUNC♪	
19. PREVIEW♪	38. IPOD♪	
20. SHUFFLE♪		

Remote Controller Functions

MvixPVR

No.	Button	Function
1		POWER: To turn on/ off power or stand-by mode
2		LIBRARY: Shortcut to LIBRARY menu
3		VIDEO IN: Shortcut to DIGITAL RECORDER menu
4	0 ~ 9	NUMBER BUTTON: To press buttons for numbers 0 ~ 9
5	TVOUT	TVOUT: Shortcut to HOME (menu) screen when playing DVD file
6		REC: To start recording/ repetitive pressing for recording by one-touch recording (OTR) with the fixed value of 30min/ 60min/ 90min/ 120min/ 180 min
7		TEMPORARY STOP: To stop screen temporarily/ repetitive pressing for moving screen per 1 frame
8		RETURN/ CANCEL: For returning
9		DIRECTION KEY: To move and select cursor
10	ENTER	ENTER: To confirm selection/ play
11		SELECT: To select files to be copied when using copy function
12		F.B / F.F: 1.5x/2x/4x/8x/16x/32x speed, function available in mp3 as well Sound output available in 2x speed
13		TIME SHIFT: Stop watching TV at any point and continue where you stopped at a later stage
14		SKIP <-: To go back to screen in play by 10 seconds
15		ZOOM + / - : To enlarge and reduce screen/ repetitive pressing for adjusting zooming +/ - percentage/ moving to position of enlarged output by using direction keys Function available for use during film/ photo file play (2x/3x/4x/8x)
16		REPEAT: To repeat file in play or to repeat all media files in the corresponding folder
17		MENU: To change or set DVD file menus by moving to MENU screen during DVD(VOB) file play
18		AUDIO: TO change or select audio tracks of file in play

Unicorn Information System

No.	Button	Function
19		PREVIEW: To turn on/ off preview screen automatically displayed in media play file search mode
20		Shuffle: To change play sequence to shuffle (for iPod only)
21		SETUP: Function available when playing media file or using menu's in VIDEO IN screen To display various setup screens
22		MVIXLIVE: Shortcut to MVIXLIVE menu
23		RECORDINGS: Shortcut to RECORDINGS menu
24	INFO	INFO: To display the current status Function available while recording is in play/ repetitive pressing for displaying network status/ to hide or display OSD of TIME SHIFT function
25		STOP: To stop file in play
26		PLAY: To play the selected file
27		HOME: To go to main screen or to display the projected main screen
28		GOTO: To select file in the same title or to execute shortcut to the already designated chapter position/ shortcut to the desired time position
29		PREV/NEXT: To move to previous file (list) or next file (list)
30		SLOW: Repetitive pressing for play in slow motion by 3/4x / 1/2x / 1/4x / 1/8x / 1/16x / 1x in sequence
31		SKIP ->: To advance screen in play by 30 seconds
32		VOL: To adjust volume
33		A-B: To set zone repetition
34		SUBTITLE: SUBTITLE: To change or select size of subtitle
35		MUTE: For mute function
36		SYNC <- / ->: To adjust sync of subtitle files played with film (100ms/ 0.1sec)
37		FUNC: To implement the function of ~
38		iPod: To convert remote controller to iPod control mode/ repressing for returning to PVR mode

Chapter 1. PVR Setting

1)HDD Formatting

To use product, connect HDD and format it by using automatic format menu. (HDD formatted in Windows is formatted again.)
After mounting HDD in PVR, move to SETUP->SYSTEM menu. Select "HDD Format" menu to display submenus.

> ***Note: Formatting erases all files saved in HDD and the files cannot be restored. Make sure to backup important files. For mat is carried out upon user's consent. Therefore, we do not assume responsibility for loss caused by negligence.**
>
> ->When HDMI is connected, the screen may not be displayed. This is because the method of image output does not match up with TV. If screen is not displayed, connect TV using A/V cable.
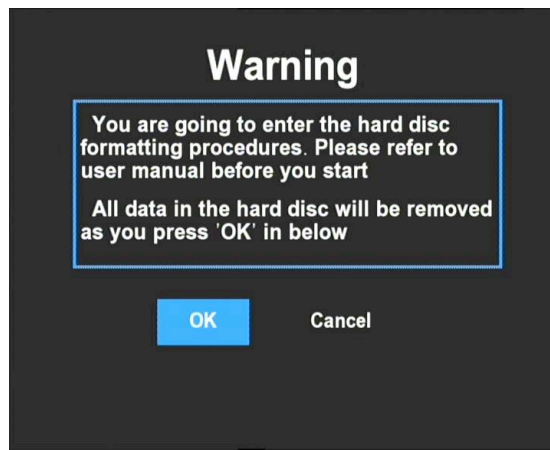
1. Select OK button and press ENTER in remote controller.

2. The first stage of time shift is adjusted. You can set values by pressing up/ down keys in remote controller. After setup, select 'Next'. Default: 1 hour/ Max. of 4 hours, file system UNIX (UDF)
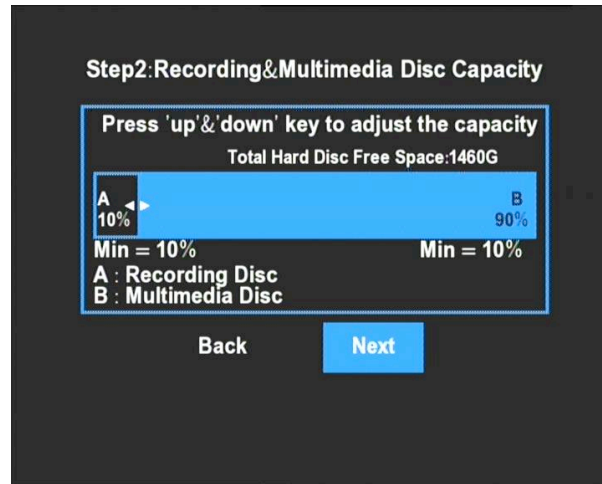
3. Adjust the second stage of multimedia and recording. Capacity allocated to multimedia is divided again in FAT32 and NTFS, the next stage of Windows file system. After setup, select 'Next'.

Default: 10% , Min.: 10% file system UNIX (UDF)

A: Recording disc space   **B: Multimedia space**
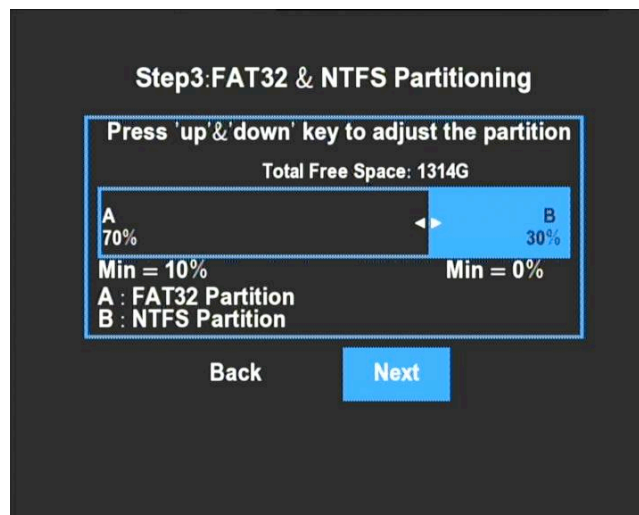
4. Adjust the third stage of FAT32/ NTFS. In case of FAT32 partition, the minimum value is 10% or higher. For NTFS partition, there is no restriction in minimum value allocation. Therefore, it can be allocated as 0%. After FAT32 and NTFS partition is done, Copy Recordings Here, which is displayed after format completion, is FAT32 file system and Media Library is NTFS file system. When NTFS is set as 0%, only HDD1 (FAT32) is displayed. After adjusting capacity, select 'Next'.

Default: 70%, FAT32 : Min. 10% NTFS : 0%

A：FAT32 Copy Recordings Here   B：NTFS Media Library♪

> **TIP**
> **In partition composition of Copy Recordings Here (FAT32), the recorded file is also used as the copy area. Allocate sufficient capacity if intending to record and store high-capacity files.**
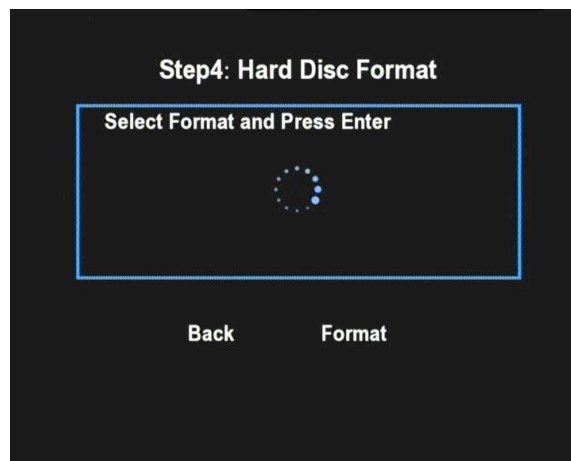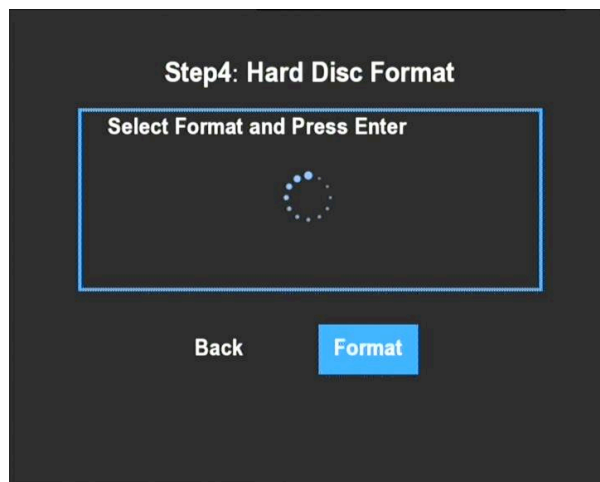
5. When setup is finished, select 'Format' and press 'Enter' to proceed formatting. Do not turn off or adjust power of product while formatting is in progress. This may cause breakdown of HDD.
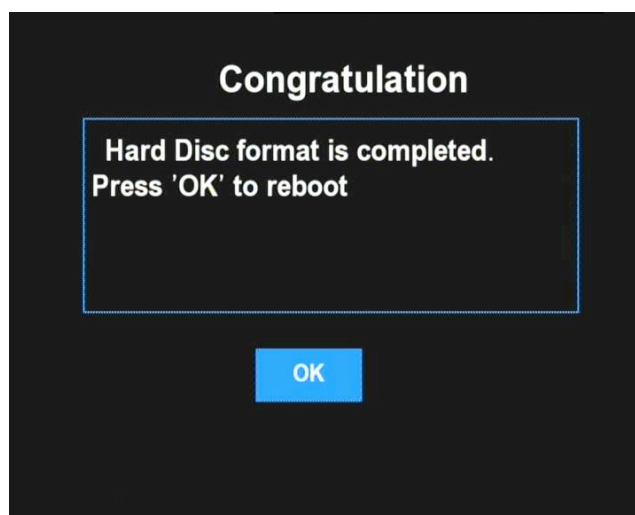
6. When message informing format completion is displayed, press 'OK'. Rebooting is automatically carried out. When rebooting is completed, HDD initialization is completed.

※ **Disc is divided into 2 partitions and each disc has the following uses and features.**
Copy_Recordings_Here: This is where recorded files are extracted, File Manager is copied to and UPnP File Manager and upload are executed. Copy is unable when a single file is of 2GB or more.
Media Library: When a single file is of 2GB or more, use the file by copying it to Media Library (NTFS). This is the area where using of File Manager and UPnP functions is limited.

2) Language/ Resolution/ Time Setting in Wizard
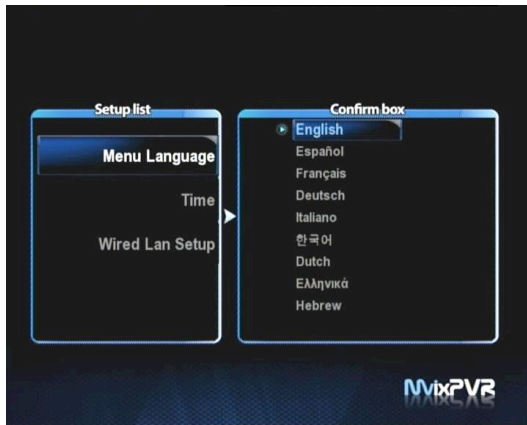
1. When HDD is formatted, initial setup screen is displayed as shown in the picture. Select the language used and press OK..

2. Set current date and time by pressing up/ down button. Press OK.

TIP
Make sure to set time to be the same as current time in order for normal recording with record preset function of TIMER.

MixPVR

3) Network Setting in Start Wizard
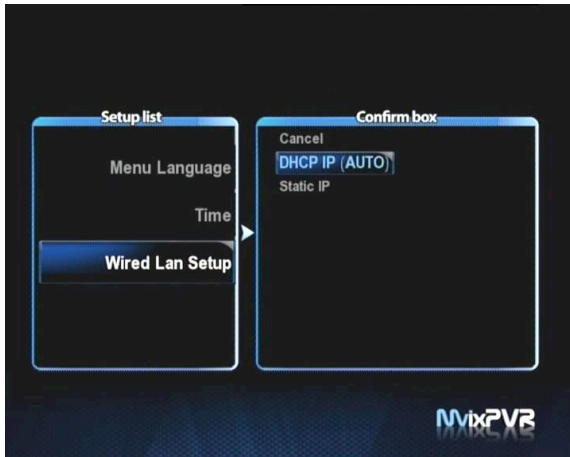
1. Select the method to connect wired LAN to network. DHCP IP automatically allocates IP address.
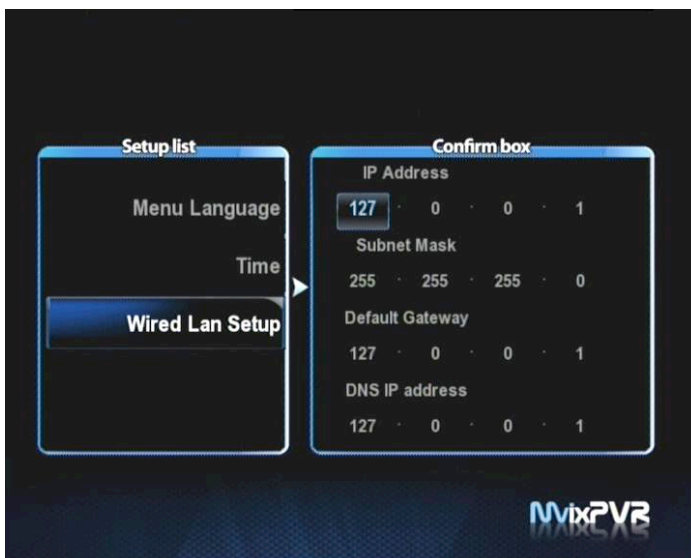
2. To set static IP address and allocated them, make and save input by using number keys in remote controller.

Note

Normal operation is not possible if setting the same IP as peripherals. Make sure to enter accurate IP address within IP bandwidth that can be used in router.

Summary of Main Menus
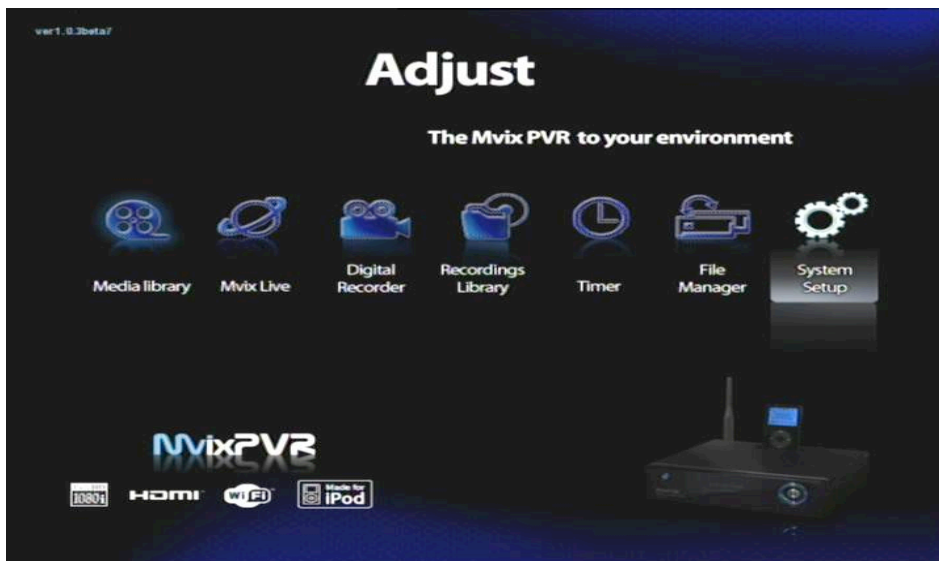
1. MEDIA LIBRARY

You can play media of various files, such as film, music and photograph, etc. connected to USB, HDD and NET or enjoy high-resolution movies. Also, you can connect to and play share files in a computer that is connected to network. MvixPVR also supports the functions of preview or to control storage devices connected to USB host. In addition, you can play media file while recording is in progress. By connecting USB card reader to USB host, various memory chips can be expanded for use. Digital camera and mobile phone, etc., which can be used as mobile storage device, can be directly connected to play and copy media files.
(Function not available if HDD is not mounted)

2. MVIX   LIVE

Supporting online RSS, this function enables you to view movies, photos and weather information directly.

3. DIGITAL LIBRARY

Video input is directly displayed. Also, video content on the display can be recorded or processed for time shift function. MvixPVR supports multi-threading function that enables you to use the MEDIA LIBRARY menu by returning to the HOME screen while maintaining the recording status.

4. RECORDINGS LIBRARY

Recorded and saved media files can be viewed. This menus provides the basic editing functions, such as cut, split, merge and extract file based on Windows file system.

5. TIMER

Set preset recording from VIDEO IN source. When unit is switched off the MvixPVR will automatically turn on and begin recording. When recording is completed, it will be automatically turned off.

6. FILE MANAGER

Without the complication of having to copy files between storage devices by connecting them to your PC, you can copy files using USB/ HDD/ NET from PC to HDD, from USB storage device to HDD or from MvixPVR to network - connected PC.

7. SYSTEM SETUP

This function is used to make or change various system setups, such as menu language/ subtitle coding method/ network/ TV output method and audio and video recording setup, etc. Settings can be changed while file is being played. Setup is immediately applied.

8. iPod DOCKING (Expansion)

iPod TV-OUT function can be used. Recording and play control are possible while charging is in progress.

9. UPnP SERVER (Additional Function)

Using free DDNS, you can play or download all data by connecting to HDD mounted in PVR anywhere as long as there is a local connection PC or PC with Internet connection.

Unicorn Information System

MixPVR

1) MEDIA LIBRARY

1-1. Music

<Screen for Preview Display>♪

<Screen for Music Play and Speed Adjustment>♪
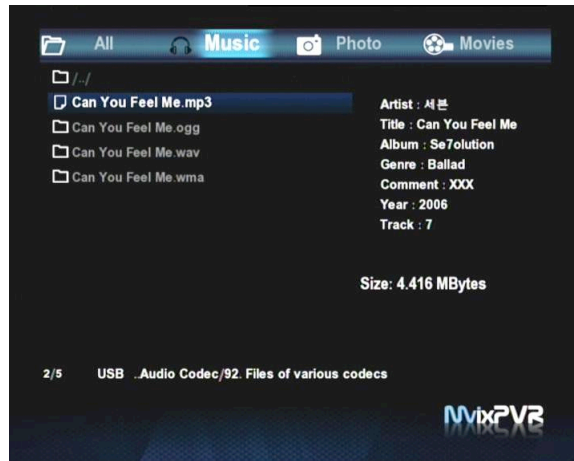
Music♪

This menu displays only the music files. In preview screen, file capacity and ID3TAG (V1) are displayed. You can ♪

listen to music while experiencing the upgraded photo conversion effect. ♪

♪

♪

♪

TIP♪

Shortcut to MEDIA LIBRARY is possible from any menu by using LIBRARY quick button in remote controller.♪

1-2. Photo

<Screen for Photo Preview>♪

<Rotated Screen>♪

<Full Screen>♪

<Enlarged Screen>♪

Photo♪

This menus displays only the photo files. Zooming function (2x/4x/6x/8x/16x/Fit) lets you expand photos and check their ♪
locations. Using <Left/ Right> keys, you can instantly rotate vertically taken photos without having to modify them ♪
(supporting BMP/ JPEG formats, progressive JPEG format not supported). ♪
All photos in folder are automatically displayed in slide show. The interval of slide show can be adjusted as 2/ 5/ 10/ 30 ♪
Seconds or 1/2minutes. A variety of conversion effects are also available. ♪

♪

TIP♪
You can enjoy slide show with music and diverse effects by activating SETUP->SYSTEM -> MISC -> Transition Effect setup.♪

1-3. Movie

<Movie Preview Screen>♪

<Preview Function Off>♪

Preview On/ Off Setup

In video list, preview setting is turned on as default. This results in preview loading time due to automatic preview setup at moving of files. If you do not want this, make sure to turn off this setup. If not using preview function, file name can be written with as many as approximately 70 letters.

TIP
Setup can be turned on/ off immediately by pressing Preview button in remote controller.

1-3. 영화감상

< Screen for Movie Play >♪

Movie♪

This menus displays only the movie files. Supporting quick preview function, this menus enables you to check before playing files. You can change and apply setup by entering setup menu while various files (media file, etc.) are being played.

1-4. Network Share Folder and Using MvixFTS
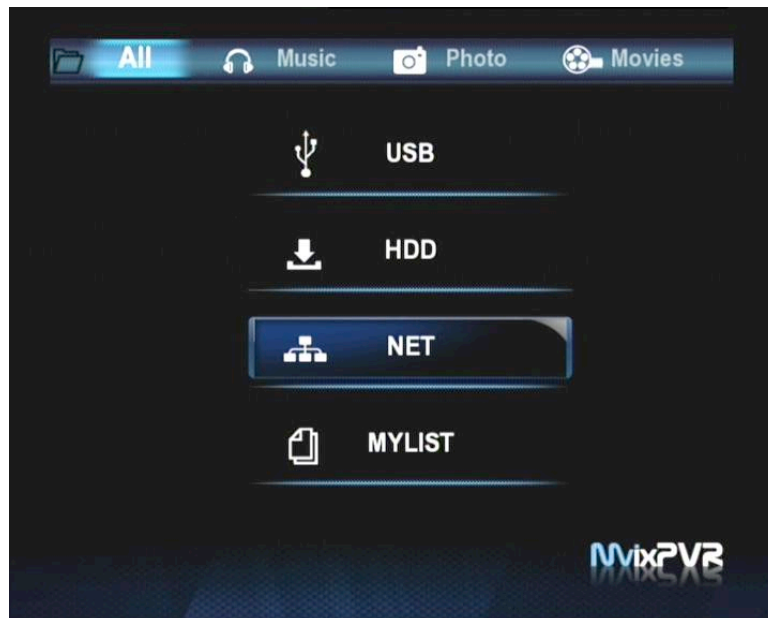
1. Access net in the first screen of MEDIA LIBRARY.♪
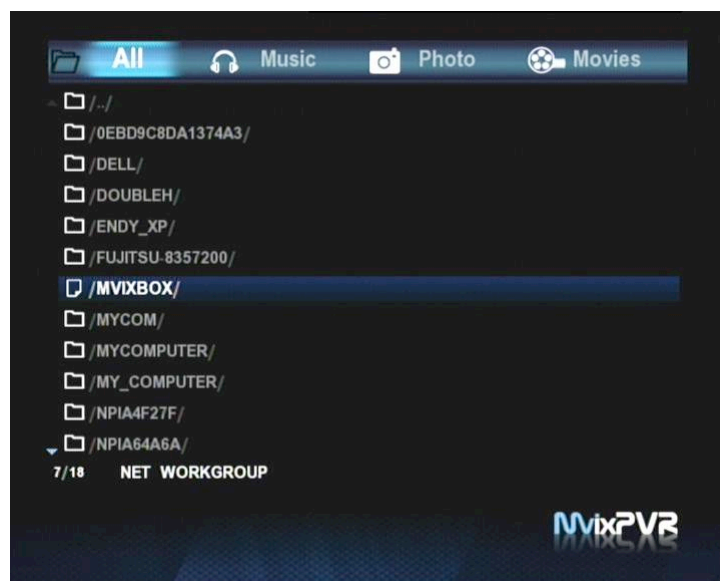
2. Access net while network is being successfully connected to display network group name. Move to the position of shared folder in PC and play media file through network streaming. To directly access PC installed with MvixFTS, select My_Neighbors and search shared folder to play media file. ♪

※ Refer to MvixFTS program installation in page.♪
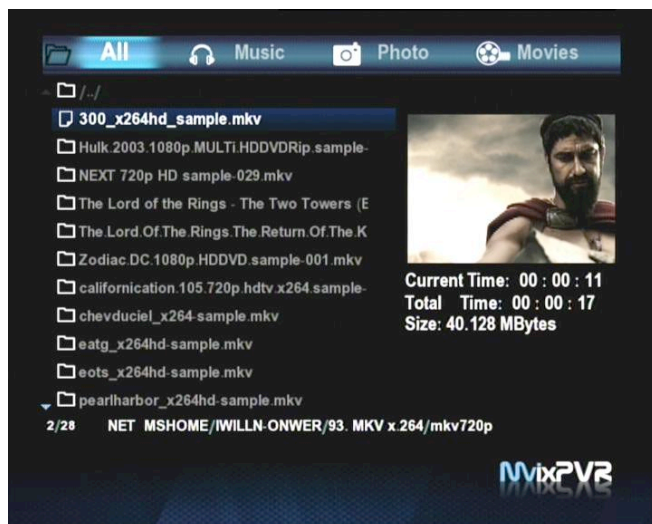
MixPVR

< MKV Preview Screen Using Mvix FTS >♪

<MOV Preview Screen Using MvixFTS>♪
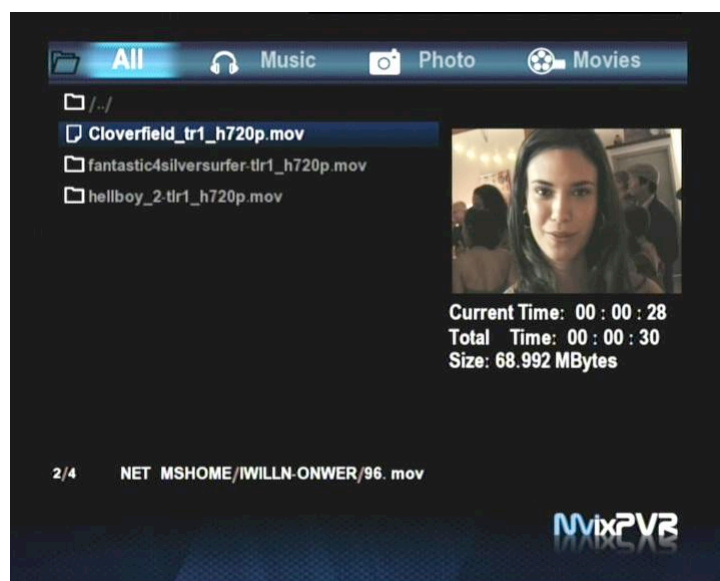
TIP♪
♪
If "The file you have requested cannot be displayed directly. Please use Mvix FTS installed in your PC." message is displayed, install MvixFTS program in PC. In MvixPVR, play the movie located in PC. ♪

<WMV Preview Screen Using MvixFTS >♪

<RMVB Preview Screen Using MvixFTS>♪
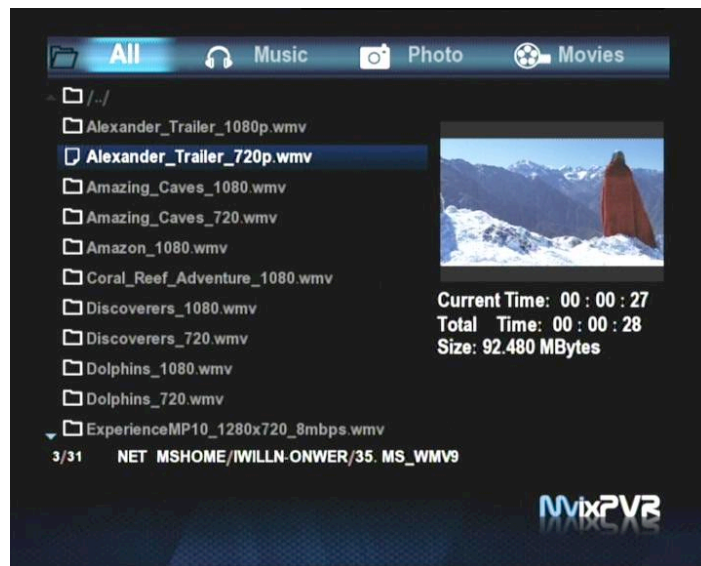
※ About MvixFTS Program

Using MvixFTS program included in product, you can enjoy watching movies that are not supported by self-play, such as MKV/WMV/MOV and RMVB, etc. In case of MKV, self-play function is supported. However, in case of HD level (x.264) MKV CODEC, play is only possible by using MvixFTS. Using MvixFTS requires a high CPU use in the PC. Therefore, a high-spec PC lets you enjoy watching movies without buffering. Successful play of 720P level movie is possible. For video files of 1080P level that require high specifications, successful play may not be possible in some PC environments. Unicorn Information System does not provide a guarantee for this.

1-5. Using My List Functions
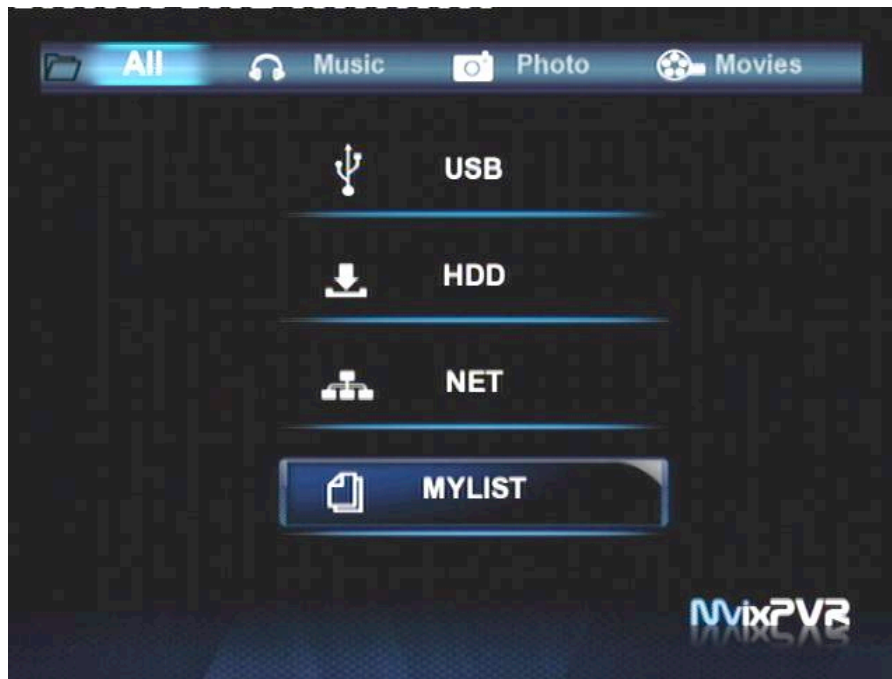
1. My List is used to designate the favorite video, photo and music files.

2. Connect to UPNP Media Server and click My List button. Then, select the file to be added to My List. My List moved can be immediately checked in MvixPVR

※ **Refer to UPnP Media Server connection in page 53**

2) Digital Recorder

2-1. Video In Recording

<Screen to Select Digital Recorder (Video In) in Main Menu>♪

<Input Signal Screen at Recording Time>♪
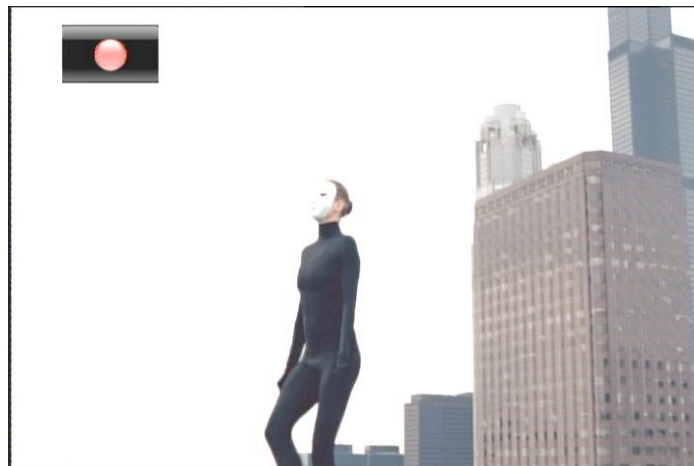
Select DIGITAL RECORDER menu to display the Video Input digital media. To record the desired part, press   in remote controller to start recording. Each time the button is pressed, recording time is designated as 30/ 60/ 90/ 120/180/ 240 min./ off. When recording starts, image of REC button is displayed at the top left-hand corner of screen.

TIP

Using ⬭ VIDEO IN quick button in remote controller, you can access shortcut function from any menu. This must be in the state in which movie is being entered into Video In (input) terminal. Recording is not possible if the input signal itself does not exist. ♪

2-2. Simultaneous Use of Recording and Media Library

<Screen for Pressing INFO Button while Recording is in Progress>♪
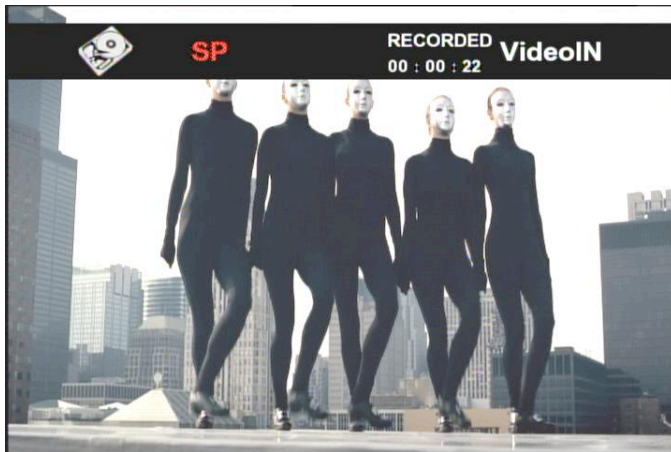
To check recording status, press INFO remote controller and check save position, quality setting status and recording progress.

To stop recording, press 'S remote controller.

Press HOME' in remote controller while recording is in progress and play movie in MEDIA LIBRARY menu.

2-3. Time Shift

Press TIME SHIFT button on remote controller to temporary stop live broadcasting.

Press button to continue playing the movie. Using TIME SHIFT function keys, slow motion/ rewind and review/ fast view, etc. are possible. Activate TIME SHIFT function from the beginning

Times indicated in examples

00:00:05= Indicating file playback time
00:00:35= Indicating the part saved with Time Shift
01:49:55= Total time shift time

<Time Shift Progressing Status>

TIP
 You can hide/ show OSD in the status bar of TIME SHIFT by pressing INFO utton.
Activate Setup -> Record -> Automatic Time Shift. With Digital Recorder menu, apply automatic time shift for convenient use.

MVixPVR

3) Recordings Library

3-1. Play Recorded Title

In Home screen, select RECORDINGS LIBRARY menu.

<Screen to Select Recordings Library in Main Menu>♪

<Screen to Preview Recorded Title>♪
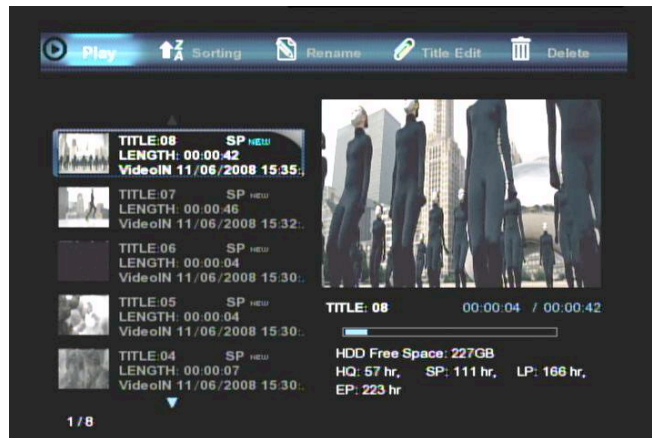
RECORDINGS LIBRARY menu displays the recorded and saved titles. Select a title and select medium in the left screen to

preview the title. Therefore, the saved screen can be checked instantly. In PLAY menu, press [ENTER] y the selected title file. After activating recording, enjoy watching media file in MEDIA LIBRARY menu. Then, enter RECORDINGS LIBRARY menu to play the recorded title from the beginning without stopping the recording status.

TIP
TIME SHIFT is not saved. However, with this method, TIME SHIFT function can be used while saving is simultaneously carried out.

MixPVR

3-2. Sort Recorded Title

<Screen for Playback Title Sorting Menu>♪
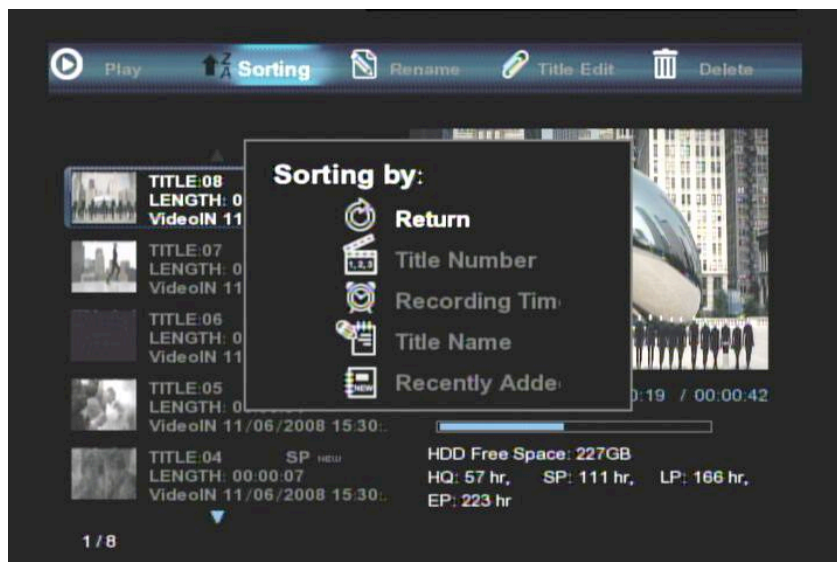
1	**Return**	To return to the previous screen
2	**Title Number**	To sort titles according to title number, the order of recording
3	**Recording Time**	To sort titles according to recording time
4	**Title Name**	To sort titles according to title name
5	**Recently Added Title**	To sort titles according to the recently added files

3-3. Change Name of Recorded Title
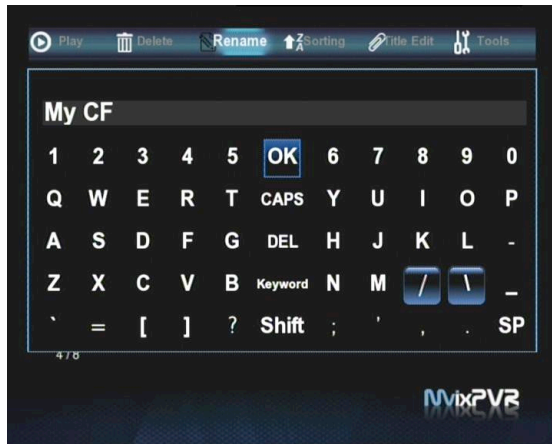
Name Change

Names of titles saved with input line and recording time as defau
It can be changed. Make selection by using

 buttons of remote controller. Then, press OK to
change title name.

3-4. Edit Recorded Title

♪	**Return**	To return to previous screen♪
♪	**Set Thumbnail**	To designate and set preview screen♪
♪	**A-B Erase**	To set and delete the desired zone of A and B
♪	**Split Title**	To set and delete the desired zone of A and B
♪	**Merge Title**	To merge the recently recorded title and the previous title
♪	**Add Chapter Mark**	To set the desired point in advance
♪	**Remove Chapter Mark**	To delete the set point
♪	**Copy REC file to Media**	To copy recorded file to record disk When copying high-capacity file of 2GB or more, recorded file is automatically split and saved per 2GB unit.

TIP
As the basic position of file extraction, file is saved in MEDIA LIBRARY -> Copy Recordings Here disk.

Thumbnail Setting

Set the parts displayed in preview screen. You must press PLAY button at start as it is in temporary stop status. Then, select

Confirm and press [ENTER] n remote controller.

Cut A-B Zone

Set the desired points in the recorded file and delete the designated zone.
Designate starting point as SET A and ending point as SET B. Press OK to delete the designated A-B zone. The deleted part cannot be restored. Therefore, accurately check the points before deletion by using rewind or fast forward function.

TIP
To accurately designate A-B zone, play file with [▶] SLOW button rather than PLAY. This way, you can designate the zone more accurately.
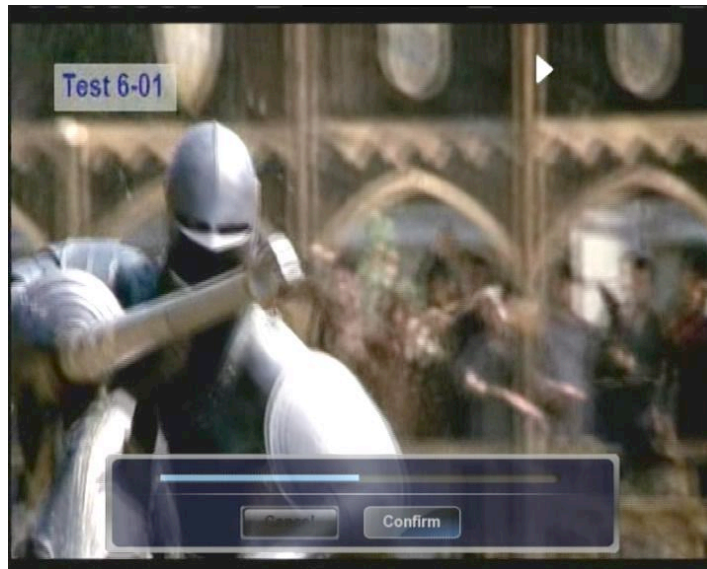
Split

A single recorded file is split into two. Move to the part for splitting by pressing [icon] or using [icon] forward function. Then, Press OK. The point of split can be accurately designated by using [icon] button (3/4x / 1/2x / 1/4x / 1/8x / 1/16 x/ 1x). ♪

Merge♪
♪
Two recorded titles are merged. The selected title is merged with the previous title. With a simple button control,♪ two titles can be merged into one to create a film of which a variety of frames are combined. ♪
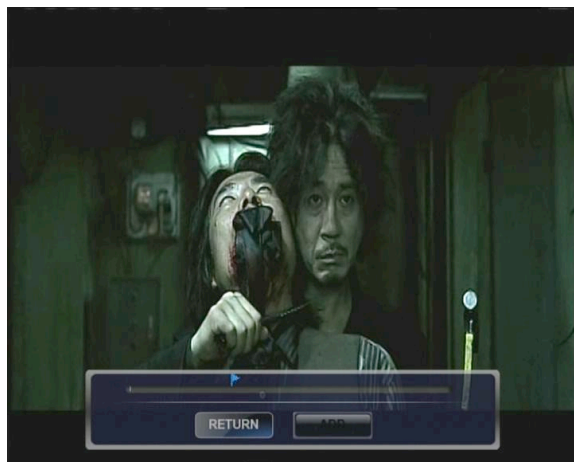
Chapter Designation/ Memory♪
♪
Quick screen conversion is possible in play position by designating/ memorizing random position in recorded title. If ♪
Using ( ) GOTO function, you can move immediately to the designated chapter position without having to memorize ♪
play time. ♪
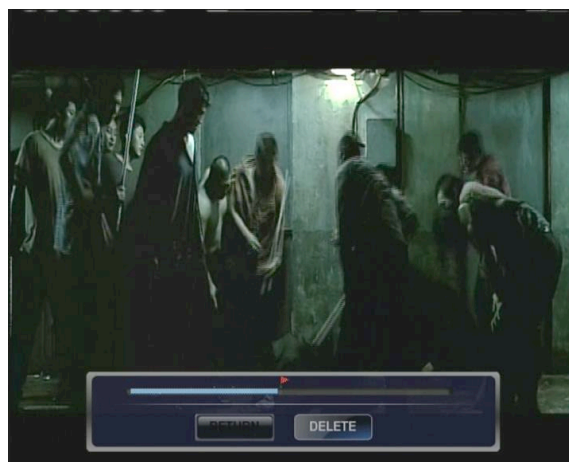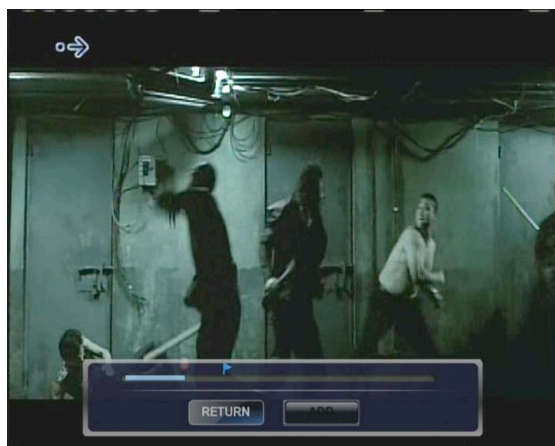
Clear Chapter Designation/ Memory♪
♪
This function is used to re-designate or delete the chapter for which random position has been designated/ memorized ♪
in recorded title. Using [◀◀] [▶▶] rewind/ fast forward, etc. move to the required position and press DELETE to delete the me
morized chapter. ♪

♪
♪
♪
TIP♪
The part designated as chapter can be used when pressing ( ) GOTO button during play. ♪
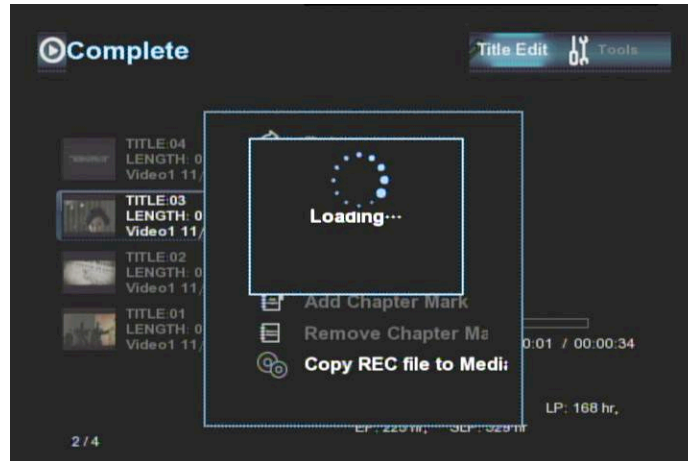
Copy to Record Disk♪
♪
Recorded titles saved in UDF system are copied to Copy Recordings Here disk. Video and audio CODEC of the saved ♪
file are encoded and saved as MPEGII.♪

3-5. Delete Recorded Title
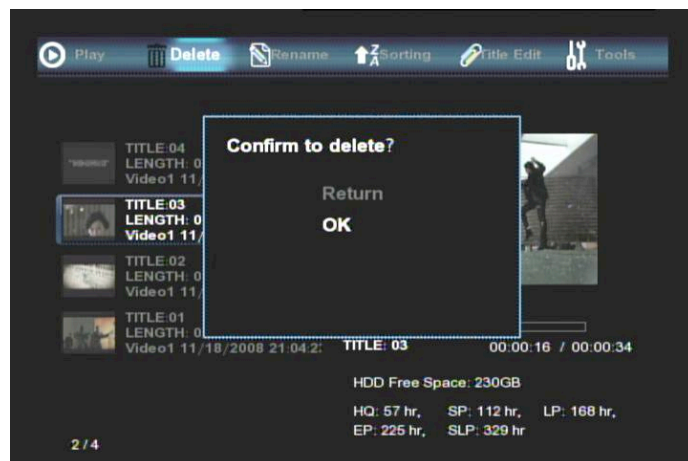
Delete Recorded Title♪
♪
Recorded titles are deleted. Place selection bar on the recorded title to delete. Then, move it in ◀   ▶ left/ right ♪
direction to select DELETE menu. Deleted titles cannot be restored. If you are intending to increasing reserve space for record
ing while leaving the recorded titles, it is recommended to delete titles after copying them to Copy Recordings Here partition.♪
♪
♪
♪
TIP♪

To copy titles saved in RECORDINGS LIBRARY through connection to USB SLAVE in Windows OS, execute Copy to ♪
Record Hard and connect the titles to USB SLAVE. Then, the files can be viewed in the hard disk in PVR. ♪
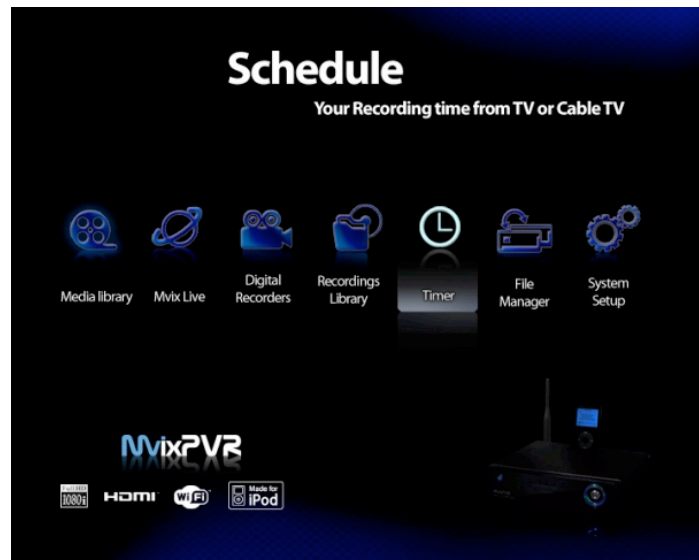
1) TIMER

Timer♪

♪
Automatic booting is carried out to start recording on the date and time designated by preset recording function. ♪
The time applied to scheduler is based on the time applied in MvixPVR. Therefore, before using product, set time ♪
to be the same as actual time in SETUP -> SYSTEM -> TIME. ♪

1-1. Add Preset Recording
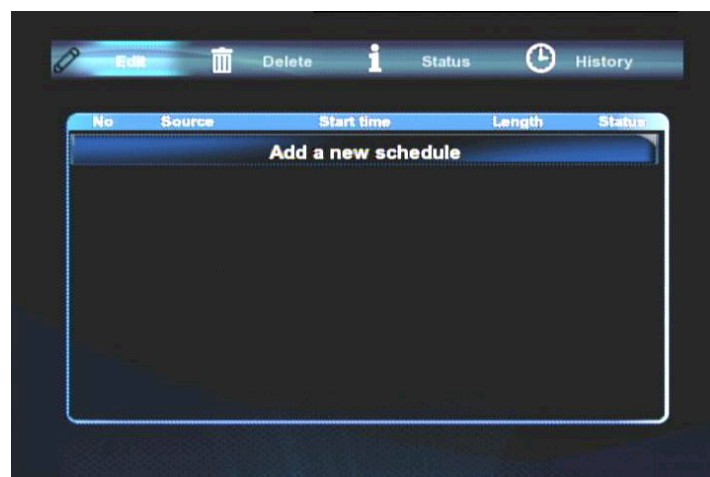
Preset Recording♪

♪
In scheduler, press OK in Edit menu to display a window to preset time for recording. ♪
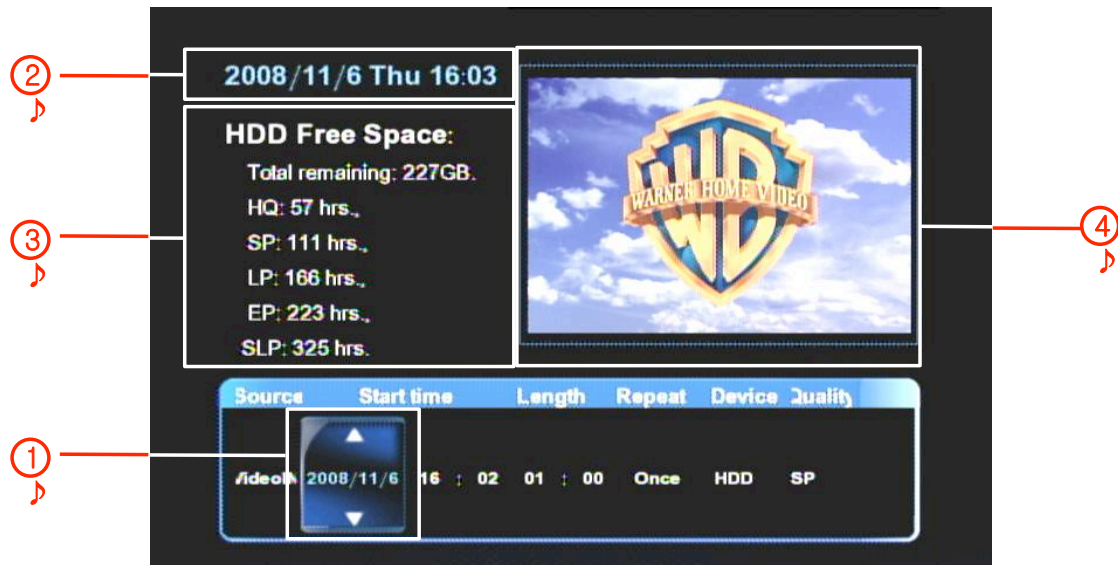
As of **No. 1,** a screen to preset recording date and time is displayed. Preset recording date, time and recording ♪ time are designated in order. It is not necessary to add/ modify the designation each time. Setting is repetitively ♪ made in the order of once, daily, Monday ~ Friday, Monday ~ Saturday, Sunday, Monday, Tuesday, Wednesday, ♪ Thursday, Friday and Saturday.   ♪
No. 2 shows the time set in MvixPVR. **No. 3** displays the reserve space of HDD as time according to quality type. ♪
No. 4 shows the current input screen. (For details on quality type, refer to page 49)♪
♪
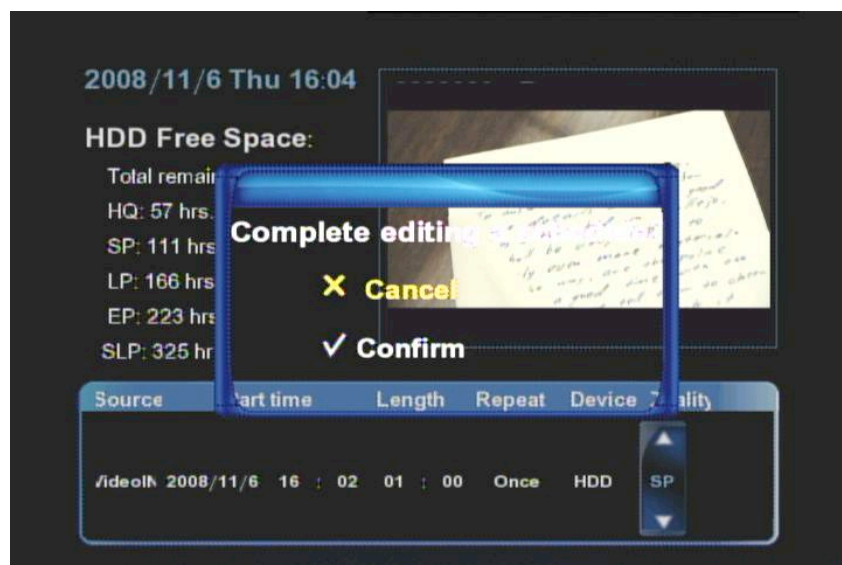
Finish up preset recording time setting and press OK. Then a window is displayed to ask you whether to add the ♪ designated contents in scheduler. Select OK and apply the setting. ♪
♪

TIP♪
When preset recording schedule is saved and power is turned off, you will automatically enter standby mode. ♪
Then, the middle and right LEDs in the main body of PVR simultaneously start blinking. ♪

1-2. Delete Timer ♪

Delete Timer ♪

♪

Move to delete menu to find Select Menu in which you can delete the presetting selected from the preset list in scheduler and menu window where you can delete all preset list. Press OK to use the function. ♪

1-3. Timer Status Change
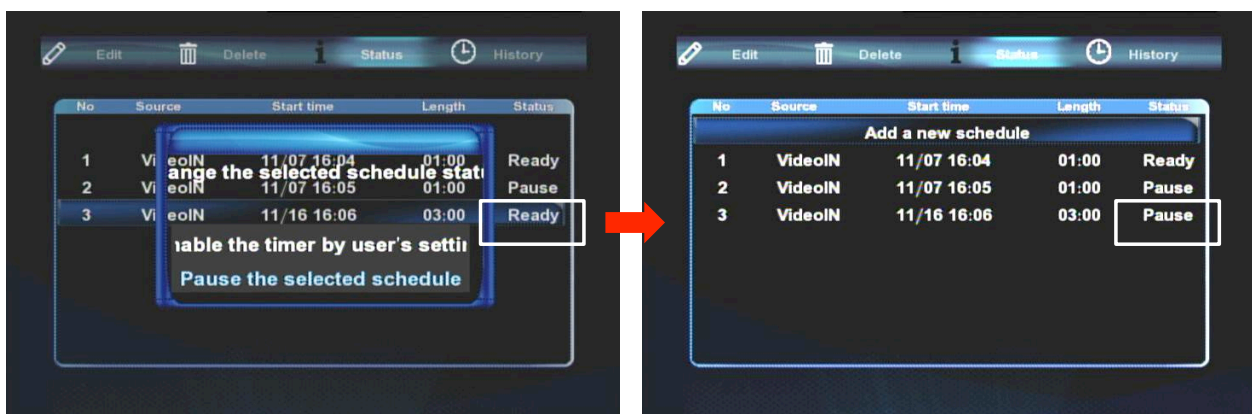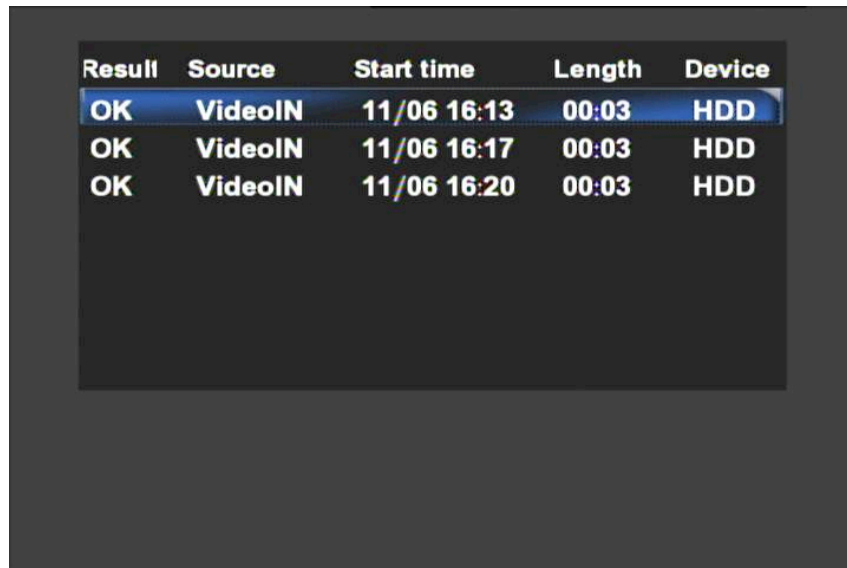
Timer Status Change ♪

♪

This function is used to temporarily stop the status of using the saved preset recording list or to change the status ♪
back to 'use'. To change the status of preset recording list, place cursor on the list to change and press OK button ♪
in remote controller. When status change window is displayed, select 'use timer with user setup/ temporarily stop ♪
the selected schedule' menu. ♪

3 Chapter 3. For Advanced Users

1-3. Timer History

Timer History ♪
♪

This function is used to check the record scheduler menu. You can check the success status of schedules that have been completed within the preset recording window. Success is indicated as OK and failure as Fail. ♪

2) FILE MANAGER

1-1. Copy Function

Copy ♪
♪
File is copied to either the storage device that is connected to MvixPVR or to a share folder on a network-connected PC. File can be is copied both ways by using USB, HDD and NET. ♪

This function enables you to use USB->HDD,NET / HDD -> USB, NET / NET -> USB, HDD. ♪

Copy is not possible in Media Library file system among target disks (Copy Recordings Here (FAT32)/ Media Library (NTFS)). Copy is possible to Copy Recordings Here disk. As for partition, copy is possible at present only to disk of FAT32 file system. ♪
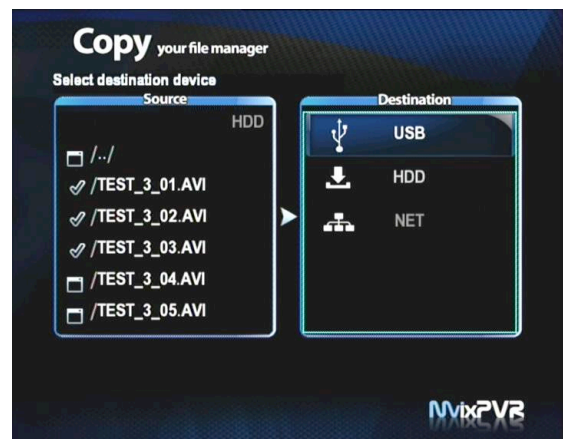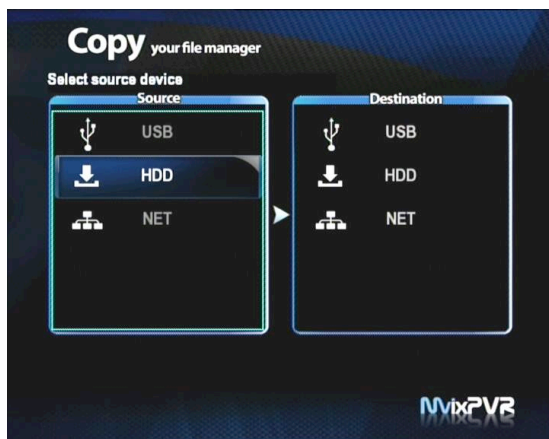
MvixPVR supports the function to conveniently copy files among USB/ HDD/ NET only with a remote controller. ♪

Firstly, search file to copy in source window screen. Place cursor over the file and press Select in remote controller to select the file. If a folder is selected, all files in the folder are copied. MvixPVR also supports the function to select and copy files from various folder ♪
♪
♪
♪
♪
♪
♪
♪
♪
♪

TIP♪
Copy function can be used for all files in addition to video files. Two drives appear when accessing HDD mounted in PVR. Each drive holds the file system of Media Library : NTFS/ Copy Recordings Here : FAT32. ♪
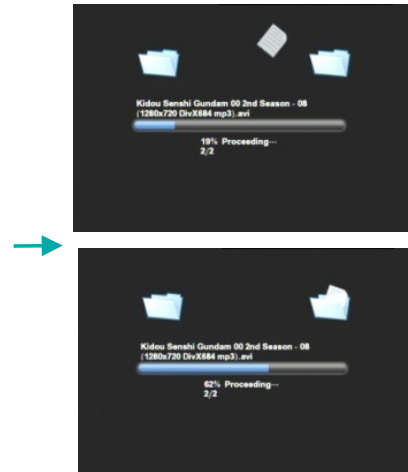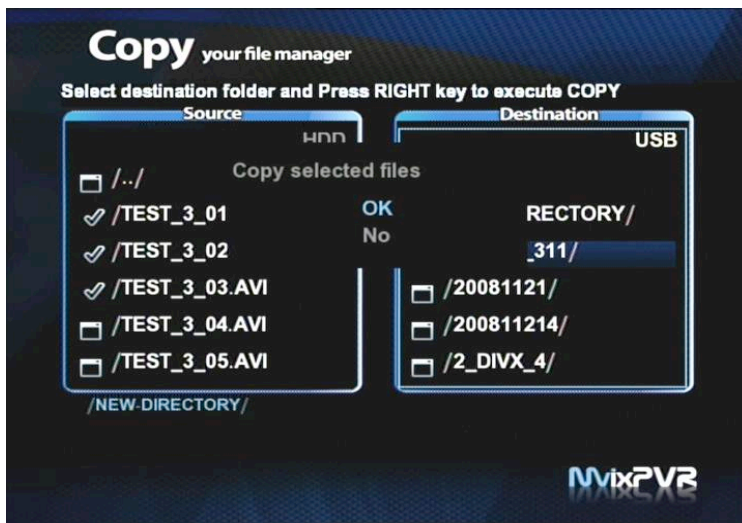
Check the original file to copy as shown above. Then, select the "copy to" position. Press right direction key in remote ♪ controller to display a window asking for the status to proceed copy. Select OK and press [ENTER] ENTER in remote controller. ♪ When copy proceeds, the above screen is displayed. ♪
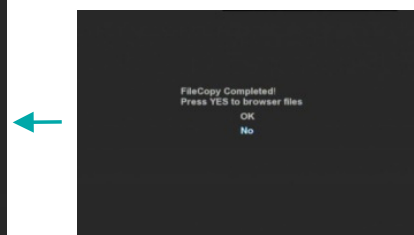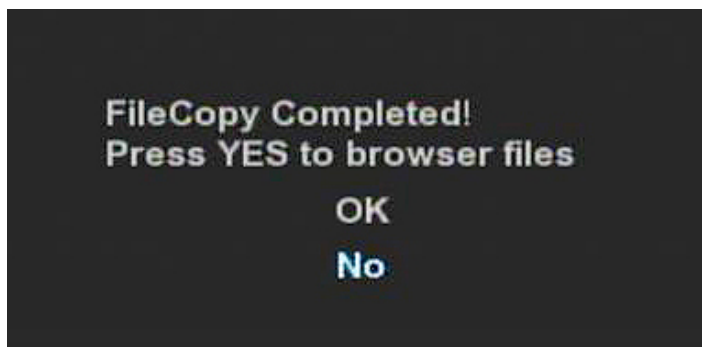
When copy is completed, the above screen is displayed. If OK is selected, the screen will display the browse file ♪ menu. If No is selected, you will be returned to the first screen for copy. ♪
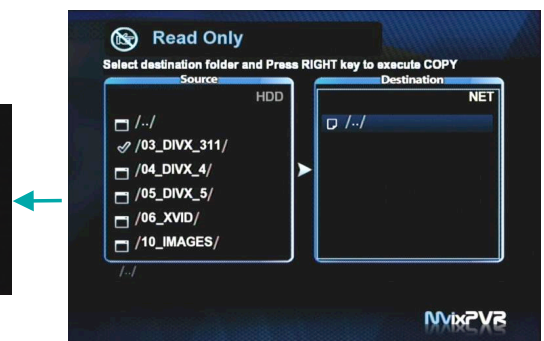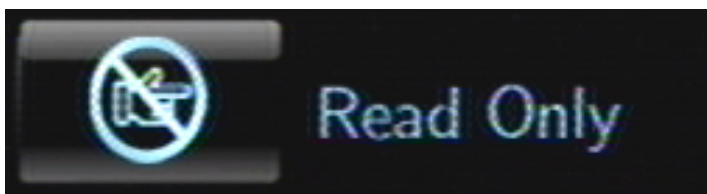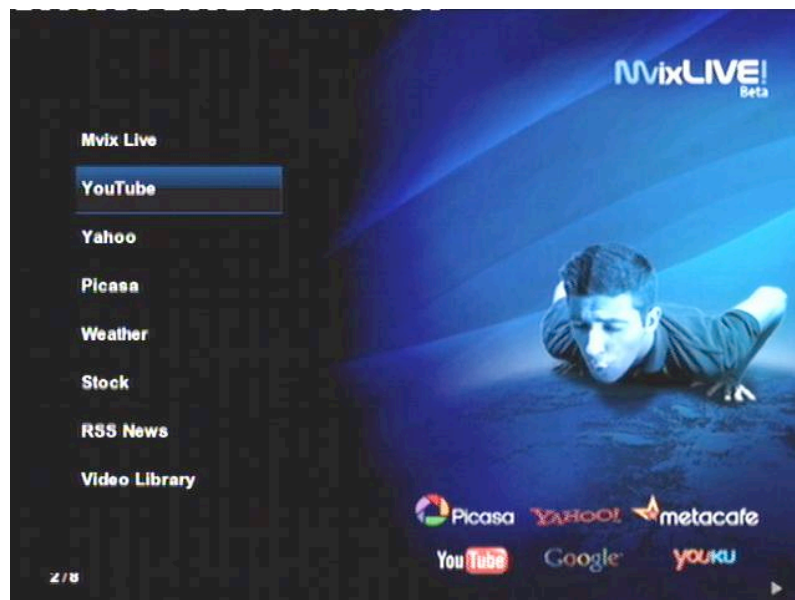

Refer to network setting in page 59 if the above message is displayed when attempting to copy files into a share ♪ folder of a PC located on the network. ♪

3) MVIX LIVE

What is Mvix Live?♪
♪
Mvix Live supports real-time broadcasting streaming. Using online RSS, You can use popular film, digital photo and weather ♪ functions. For user convenience, Mvix Live also supports search function to satisfy diverse tastes of users. ♪
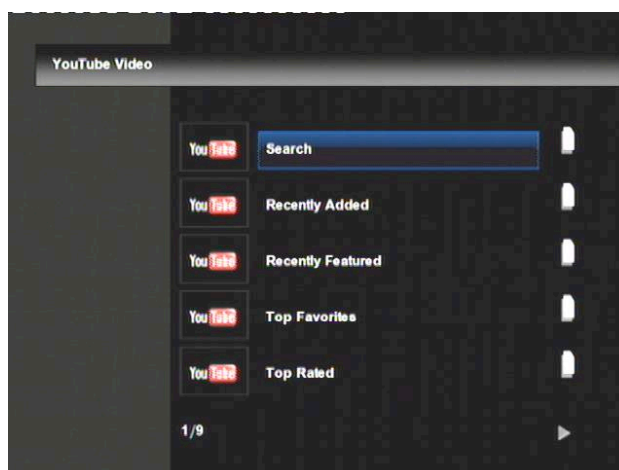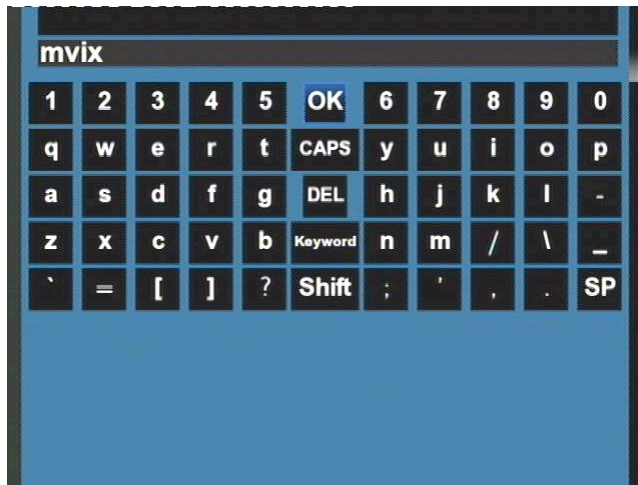

How to Use You Tube

Select You Tube in MvixLive. Search/ Recent contains 9 You Tube files, such as Added UCC/ Recommended UCC/ Favorite UCC/ Frequently Viewed UCC, etc.
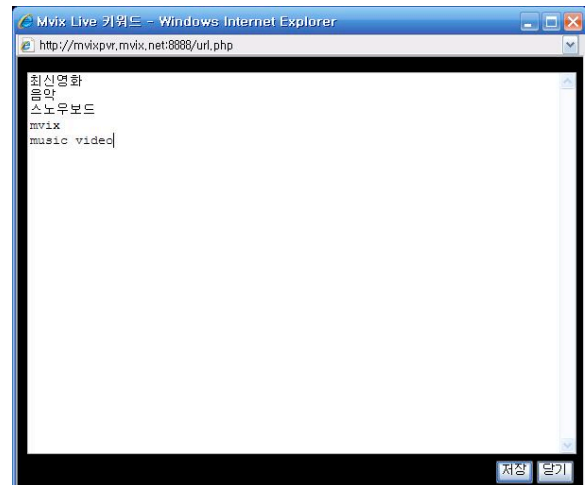
TIP
Connection may be disabled if link is not normal or blocked. MvixLIVE menu is subject to change according to manufacturer's conditions.

<Screen for Keyboard Input>

<Screen for Pre-defined Keyword>

Search Video in You Tube

Select Search. When keyboard input window is displayed, search the desired file name. Or, the pre-defined contents can be searched by using Keyword. Currently, only English input is supported in MvixLIVE. However, you can search files conveniently as Keyword function processes inputs made in Korean and other languages.

<Screen for Search Results>

<Screen for View Contents and Download>
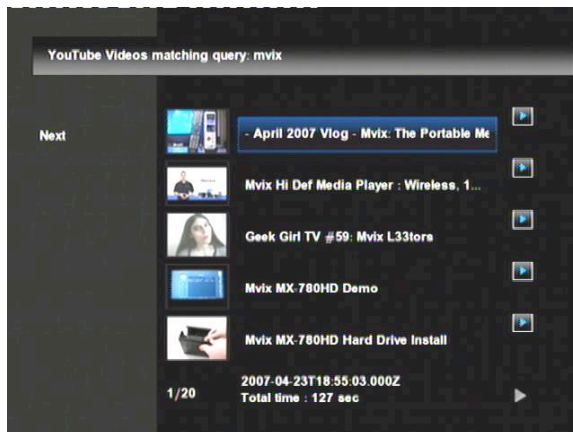
Save and Play the Searched Movie File

Press > in the searched screen to view the selected contents. When selecting Download menu, the contents are saved in MvixLIVE -> Video Library even without Internet connection.

<Screen for MvixLIVE Play>

<Screen for Playback in Computer>

Using Picasa Function

What is Picasa Function?

This is the free album function provided in Goggle. You can register to the site and use the service free of charge. All images registered in Picasa can be searched with keywords. Also, you can view your own albums by registering them in MvixLIVE. The folder structure of Picasa is supported so that you can conveniently use this service.
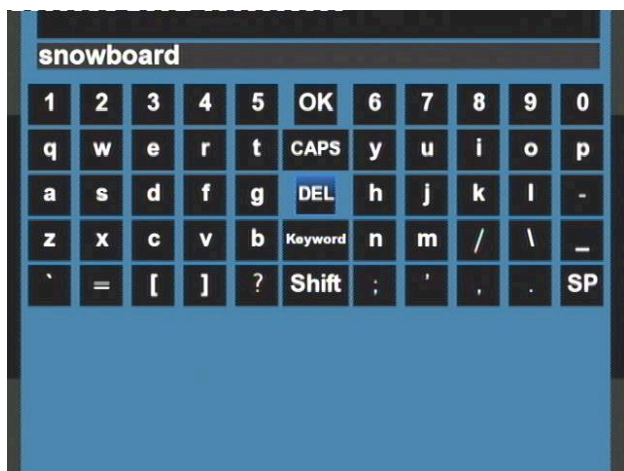

<Screen to Select Picasa>

<Selecting Search Keyword or ID Search>
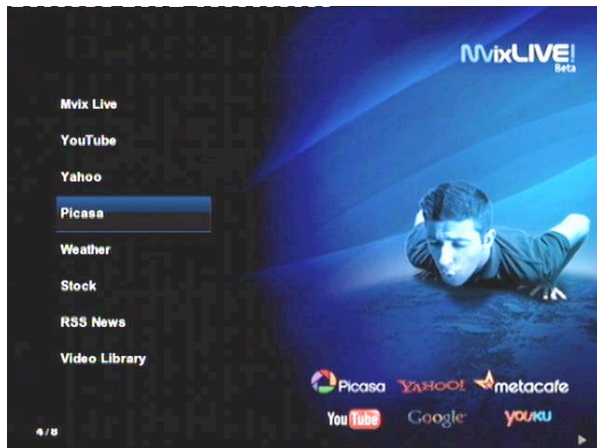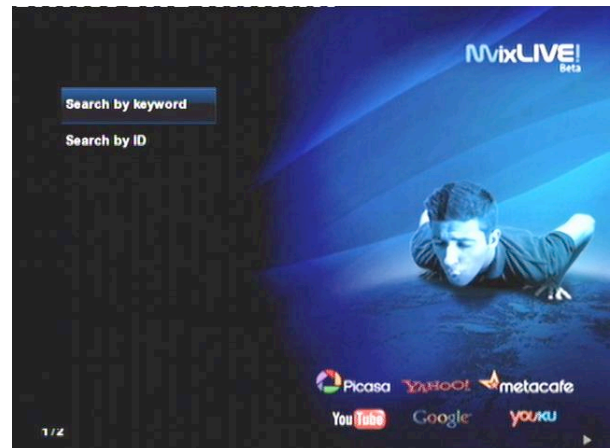
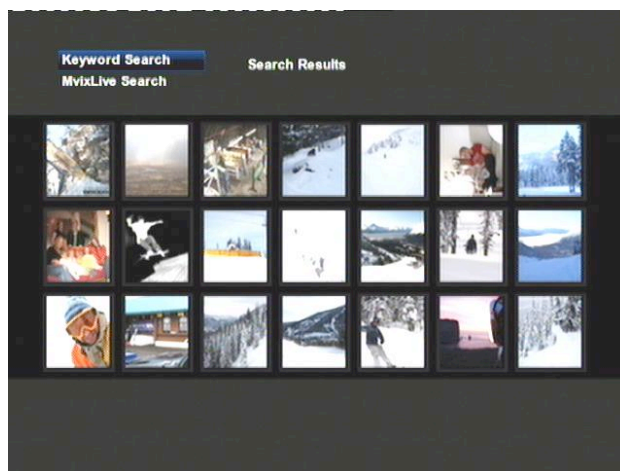**1. Select search keyword or Picasa ID search in the menu displayed after selecting Picasa menu.**

TIP
Select ID search and search MvixLive ID set as default to check the latest manual of MvixPVR.

<Screen for Search Keyword Input>

<Screen Displaying the Searched Image>

2. Enter the words to be searched in the screen keyboard and select OK. Wait for the searched screen.

<Image Screen Output>

<Using Image Enlargement Function>

Slide and enlarged view functions let you view the searched images and photos uploaded into your own account.
When using the service after entering Picasa account, images can be searched in MvixLive only with open view setup.
Simultaneous use of photo slide show with background music is not supported in MvixLive status. This function is available only in Media Library.

4) UPnP Media Server ♪

Using Mvix UPnP Media Server
SYSTEM SETUP-> MISC-> UPNP MEDIA SERVER -> ON
Activate Mvix PVR UPnP function through the above sequence.
In SYSTEM SETUP -> NETWORK, enter the allocated IP address for connection to MvixPVR UPnP Server.
By using the free DDNS of www.mvix.net, you can connect to the MvixPVR anywhere, anytime.
Default value of port number is 80. For port number of random value, up to 4-digit numeric combination can be used.
Sharer is required for connection from the outside (sharer sold separately).
4-1 UPnP 접속하기♪
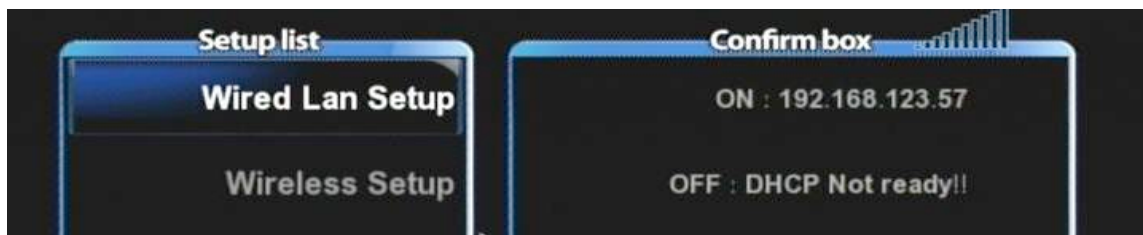
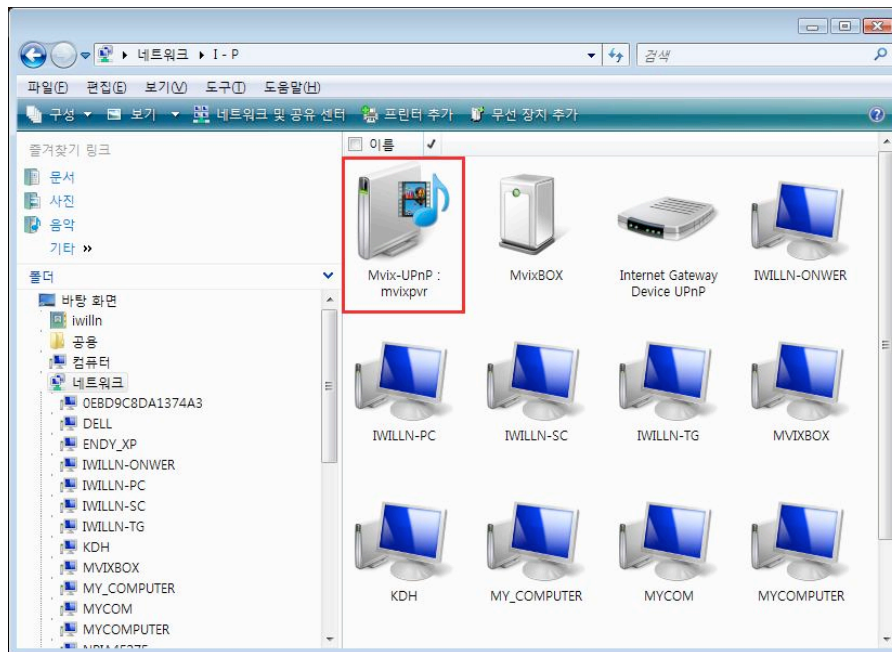1. Check the allocated IP address in System Setup => Network menu.

2. Or, execute MvixFTS program and click UPnP Media Server.

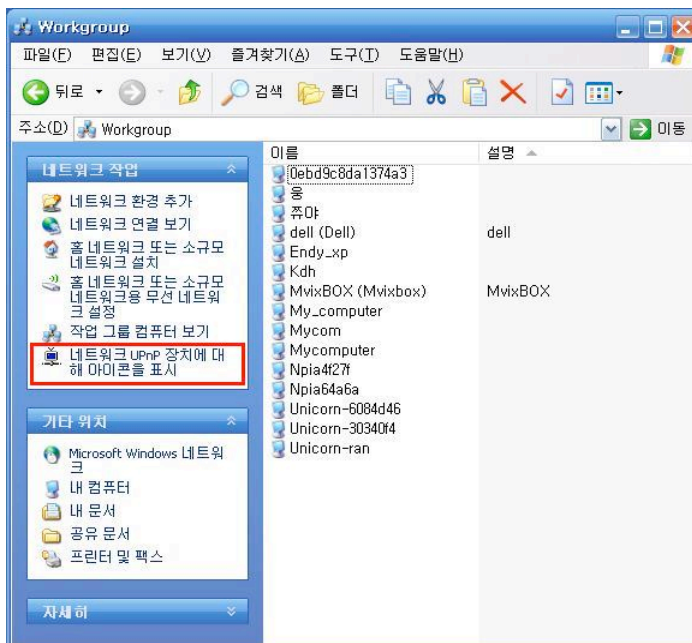3. Enter the allocated IP address in the Internet browser address and connect to MvixUPnP page.

4. You can directly connect to MvixUPnP in the Windows as the intrinsic function of UPnP.

<Screen for Windows Vista Network>

5. Check in My Computer => network or click Network in the background screen to display the icon shown above. Click the icon to conveniently connect to UPnP page.
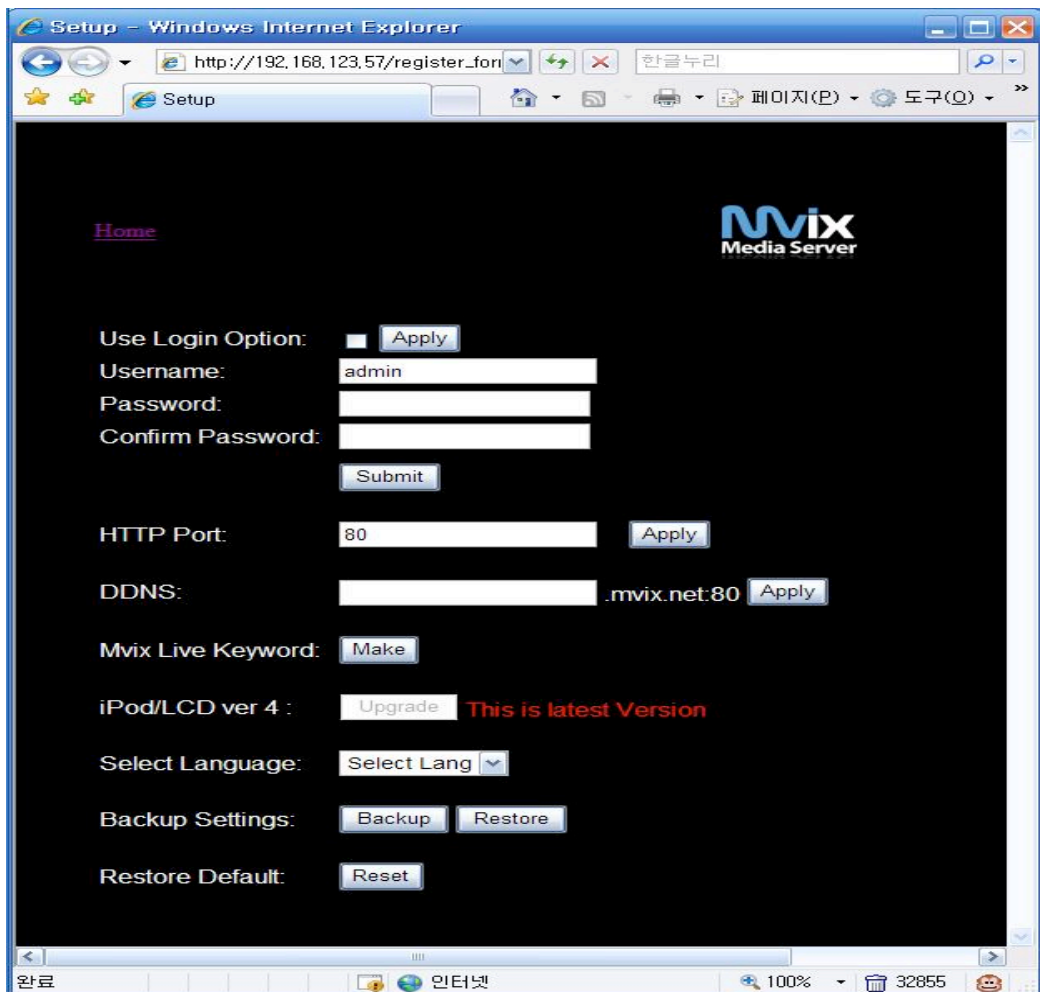

6. Check in My Computer => Network. Or, if it is not shown in Network in the back ground screen, you must activate 'Di splay Icon for Network UPnP Device' menu. When UPnP function of XP is activated, UPnP device is searched and displayed.

※ Window is rebooted if necessary.

<Screen for Windows XP Network>

Chapter 3. For Advanced Users

MvixPVR

1. When connecting to setup page, you can randomly set HTTP port and DDNS address. For DDNS, you can use addresses with the exception of the domain that is already occupying your own address.
2. After DDNS is set, change port number. Some communications companies restrict port number for external connection. You can set port number within the usable HTTP port range of 80 ~ 90 and from 7000 to 9999.
Ex) Presuming MvixPVR IP: 192.168.123.37, Port No.: 8888 and DDNS: mvixpvr, activate setup by connecting to sharer setup and entering 9999 port applied in UPnP and the IP of MvixPVR to port forwarding function.
When all setups are successfully completed, you can connect to the address of
' Http://mvixpvr.mvix.net:8888' from outside. Details of port forwarding function may vary according to each sharer manufacturer. Please inquire the manufacturer.
3. For the menu that uses login authorization, the status of using ID and password login method is displayed if connecting to MvixPVR from inside or outside.
4. MvixLIVE Keyword: Languages and search keywords not supported of input in MvixLIVE are designated in advance for convenient use.
5. iPod/ LCD Version: Compatibility to iPod products and LCD function firmware can be updated. When update exists, this button is automatically activated. Just by clicking the button, update is automatically administered. (This is online firmware update, therefore requires Internet connection.)

4-3. 파일업로드 및 다운로드하기
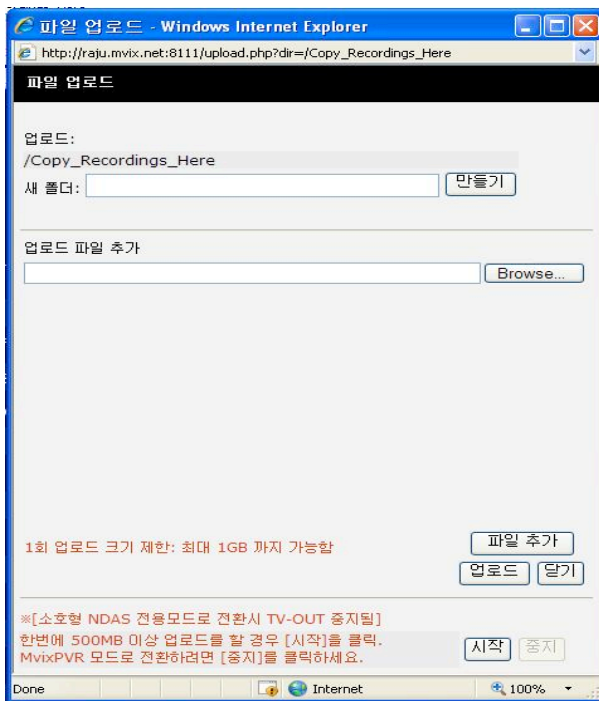
UPnP Upload

1. Connect to UPnP and click Copy_Recordings_Here disc.
2. Click Upload button displayed on screen.

3. Sequential uploading of up to 10 files is supported
 when uploading a number of files at once.

Due to safety restriction, total size of the files uploaded
 at the same time must not exceed 1GB.

※ **When converting to NAS Mode Only, video output is
 suspended in MvixPVR. Therefore, TV screen does not
 show anything. When converting to this mode, file up/
 download function is slightly enhanced.**

**To upload a file of 500MB or more, upload is not
completed if not converting to NAS Mode Only. Make su
 re
to administer mode conversion.**

**To upload a file of 500MB or less, upload can be
completed without starting NAS Mode Only.**
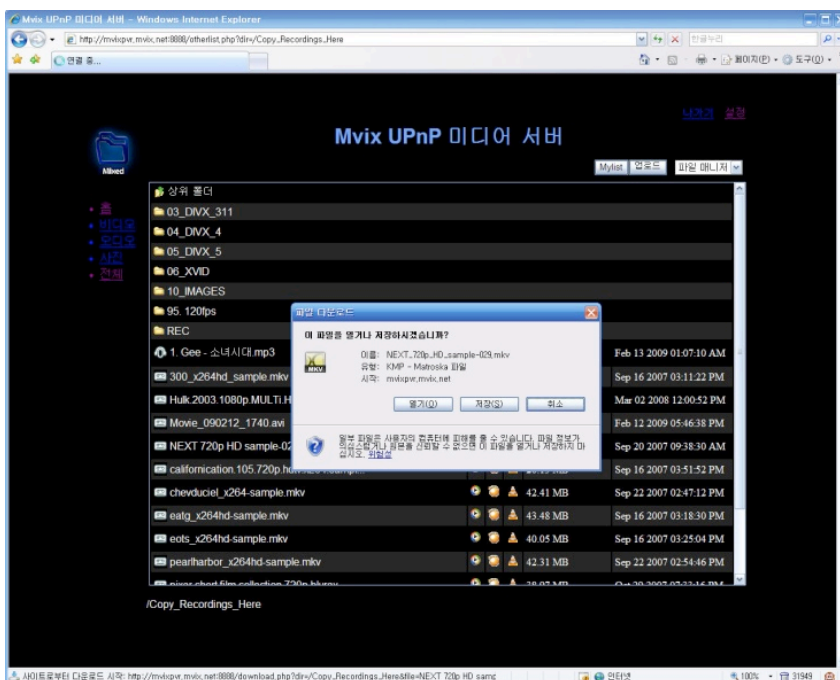
File Download

1. Connect to UPnP and move to
the position of disc to download.

2. Click file name and downloading of
the file is administered immediately.
Also, you can use the WMP/GOM/VLC
applications in UPnP itself.

For stability of MvixPVR Media Player, maximum speed of up/ download must not exceed 1.4MB/s.
Note that UPnP File Manager function can only be used in FAT32 disc.

Chapter 4. Media Environment Setting

MixPVR

1) Language Setting
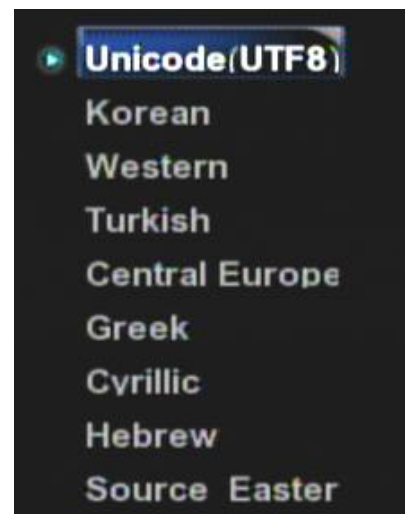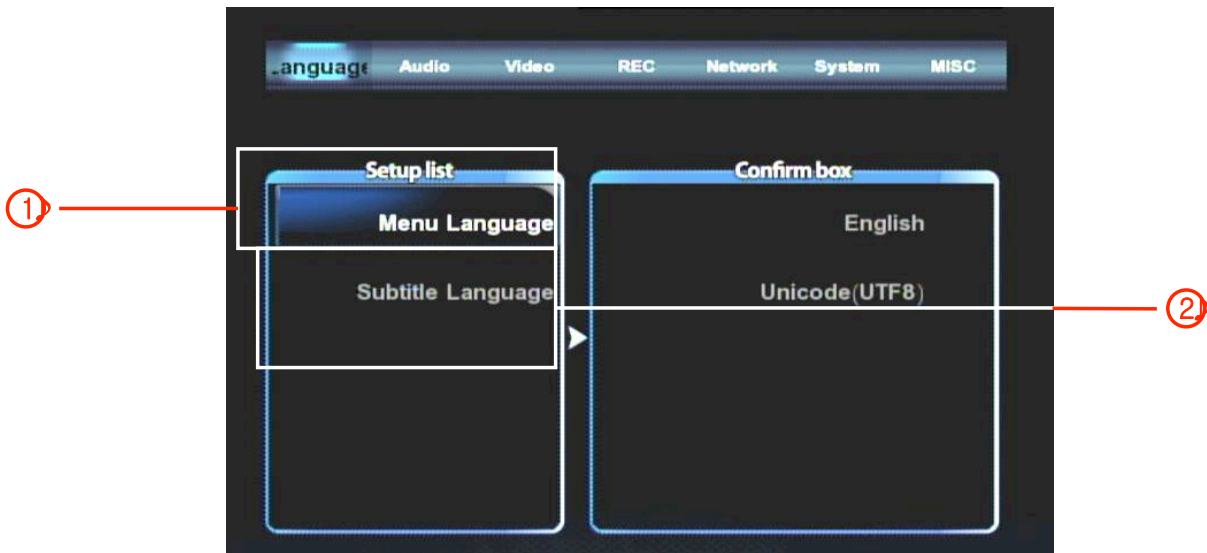
① Menu Language♪
♪
Language for menu is changed. Available ♪
languages are English, Spanish, French, ♪
German, Italian, Greek, Hebrew, Korean and ♪
Dutch. The changed language is immediately ♪
applied. ♪

② Text Encoding ♪
♪
Method of display to fetch subtitle file from computer ♪
is changed. ♪
Unicode(UTF8)/ Korean/ Western/ Turkish/ Central ♪
European/ Greek/ Cyrillic/ Hebrew/ Source Eastern ♪
are available.♪

TIP♪
Unicode, the industrial standard designed to consistently express and handle all letters of the world in a ♪
computer, environment. ♪

---

2) Audio Setting

Digital Audio Output ♪

♪

To output down-mixing option of DTS and Dolby5.1 to 2 channel stereo select HDMI/ SPDIF output as LPCM, ♪
To output DTS and Dolby 5.1 select RAW HDMI/ SPDIF, connect coaxial or optical cable to amplifier/ receiver, ♪
and it will decode the 5.1CH DTS/ Dolby digital output. ♪

3) Video Setting
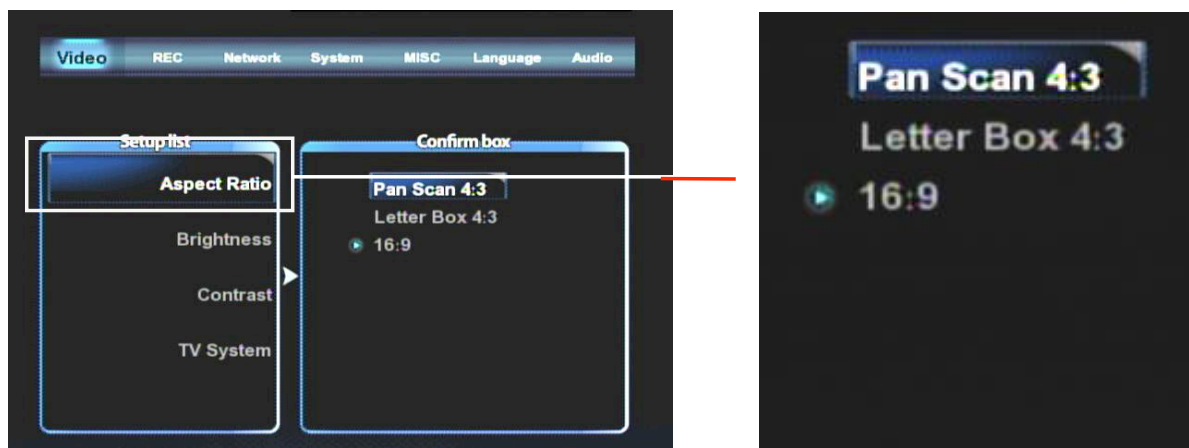
Aspect Ratio♪

♪

Screen ratio can be set to suit TV type. Setting is changed to Pan Scan 4:3/Letter Box 4:3/16:9.♪

Pan Scan 4:3♪ ♪	This ratio is used when aspect ratio of TV is 4:3. This setting is to show the film of 16:9 ratio by♪ cutting it to 4:3 size.♪
Letter Box 4:3♪	This ratio is used when aspect ratio of TV is 4:3. This setting is to show the 16:9 film full of ♪ screen in its original ratio. ♪
16:9♪	This ratio is used when aspect ratio of TV is 16:9 to show film with the ratio of 16:9. As of 4:3 ♪ ratio, this ratio shows the film full of screen. ♪

MixPVR

Video   REC   Network   System   MISC   Language   Audio

Setup list   Confirm box

Aspect Ratio   16:9   ①♪

Brightness   25   ②

Contrast   25   ③

TV System   480P   ♪

밝기   40   ①

Brightness ♪

Brightness of the displayed screen is adjusted. ♪
While video is in play, press SETUP in remote ♪
controller. Brightness can be adjusted while ♪
Video is in play. ♪

명암   47   ②

Contrast ♪

Contrast of the displayed screen is adjusted. ♪
While video is in play, press SETUP button in ♪
remote controller. Contrast can be adjusted ♪
while video is in play. ♪

NTSC
✓ PAL
480P
576P
720P 50HZ
720P 60HZ
1080i 50HZ
1080i 60HZ   ③
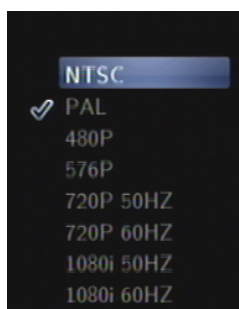
TV System♪

Video output resolution is changed. PAL and NTSC modes are not compatible with ♪
each other. Therefore, it must be adjusted to the TV in use. There is a function ♪
that automatically adjusts output to TV system. Therefore, it is not necessary to ♪
change PAL/ NTSC modes. ♪
PAL Mode: 576P/720P 50Hz/1080i 50Hz♪
NTSC Mode: 480P/720P 60Hz/1080i 60Hz♪
♪
Repeating TV – OUT with Remote Controller
HDMI Connection: Repeating 480P (576P) -> 720P -> 1080i -> 480P… (automatic
 PAL/ NTSC recognition)
Composite/ Component Connection: Repeating NTSC -> PAL -> 480P -> 576P ->
 720P -> 1080i -> NTSC…

TIP♪
Screen is not displays if selecting NTSC output mode in PAL system TV. In this case, repetitively press [TVOUT] butto
    n ♪   ♪
in remote controller to display screen or repetitively change output resolution. ♪

4) REC Setting
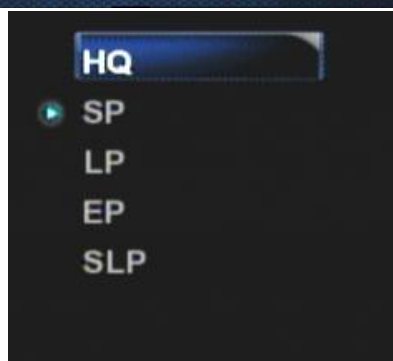
Recording Quality♪

♪

Quality of recording is designated♪

For information on recording quality, refer to the table below. (Video CODEC: MPEG 2 , Audio CODEC : MPEG2, 2CH)♪

Recording Mode		Average Bitrates (Video)	Resolution (PAL)	Resolution (NTSC)	Audio Format
HQ	High Quality	1,096 KB/s	720x576	720x480	48KHz stereo, 256Kbps
SP	Standard Play	549 KB/s	720x576	720x480	48KHz stereo, 256Kbps
LP	Long Play	355 KB/s	720x576	720x480	48KHz stereo, 256Kbps
EP	Extended Play	257 KB/s	352x576	352x480	48KHz stereo, 256Kbps
SLP	Super Long Play	178 KB/s	352x576	352x480	48KHz stereo, 192Kbps

Chapter 4. Media Environment Setting
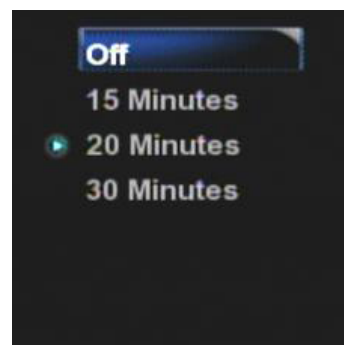
Auto Chapter♪
♪
Time of automatic chapter ♪
use is designated. ♪
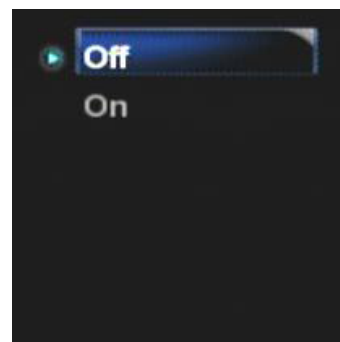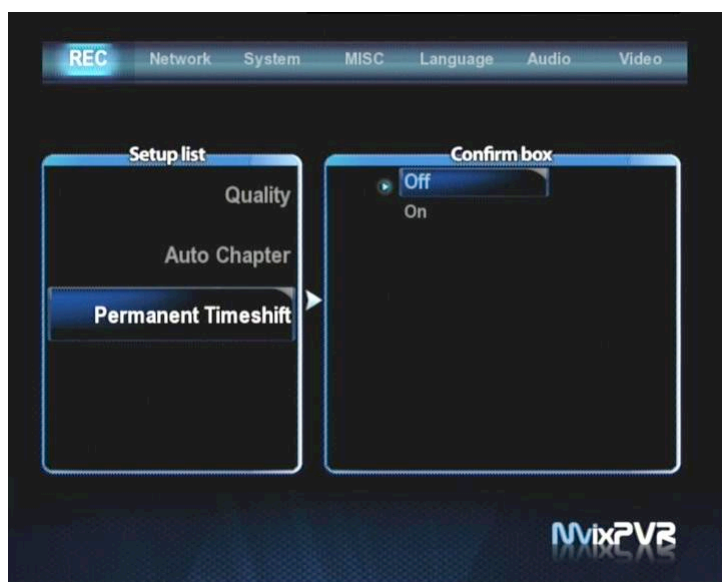
Permanent Time Shift♪
♪
Status of permanent time ♪
shift is set in using time ♪
shift function.♪
Default: Off♪

※ In case of USB device, only the file system of FAT32 is applicable.♪

5) Network Setting

5-1. Wired Network Setting♪

<Wired Network Not Connected>♪

<Wired Network Connected>♪
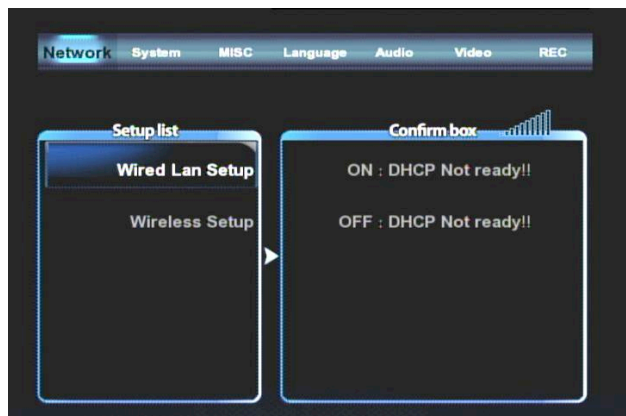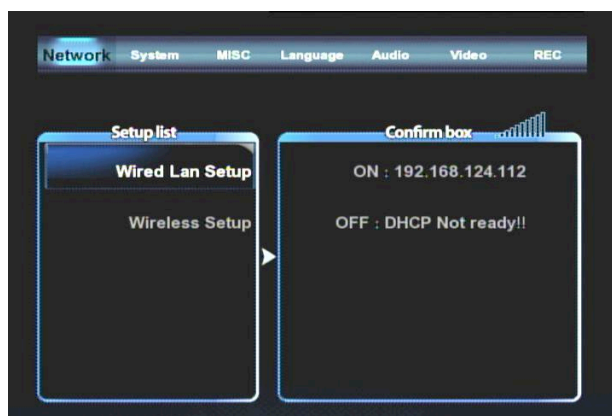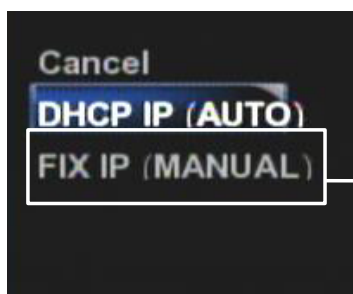
**Automatic Allocation ♪
Mode (DHCP) ♪**
When making connection ♪
by using wired LAN, connection is♪
automatically made to network if ♪
selecting automatic IP allocation.♪
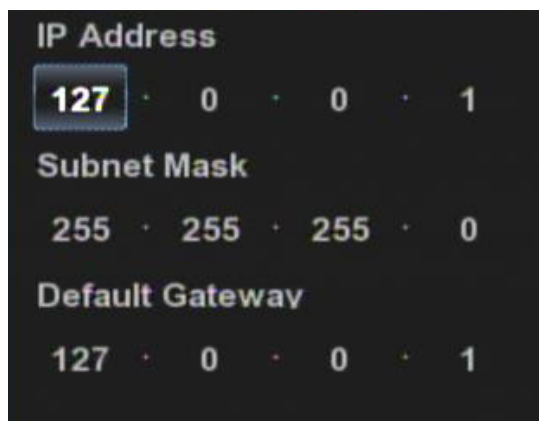
Manual Static IP♪
This function is for using static IP or for manual connection.♪
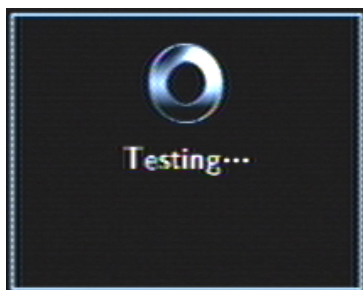
When setting is completed, press ♪
OK to attempt connection. Then, ♪
network is connected. ♪
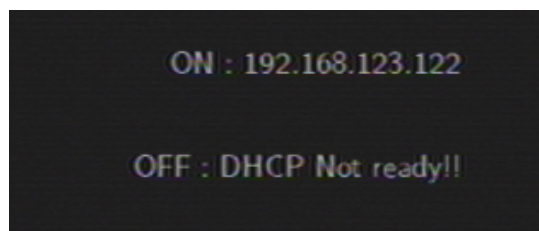
If IP address is displayed as of the example on the ♪
right, network connection is completed with IP ♪
successfully received. ♪

5-2. Wireless Network Setting♪

<Wireless Network Not Connected>♪
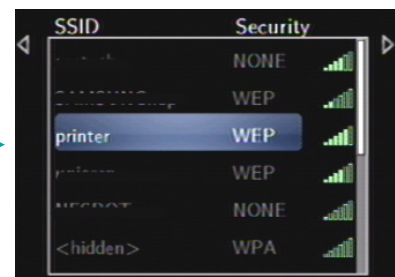

<Wireless Network Connected>♪
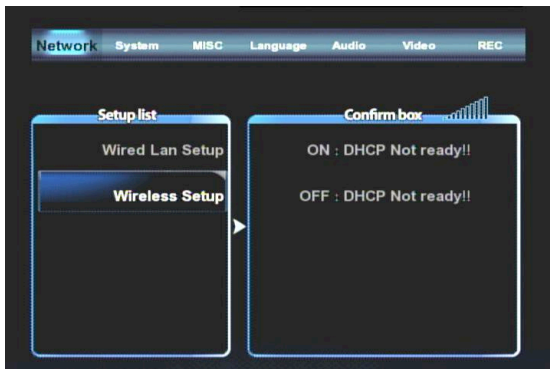
The following are descriptions on the method of wireless network connection by searching ♪
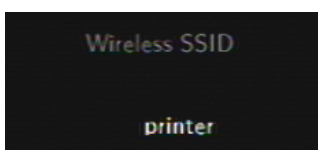signals. To use wireless network, you need wired/ wireless sharer. ♪
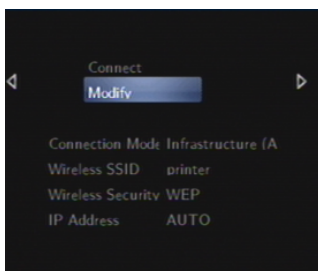
Select Modify and move to the ♪
next step.♪
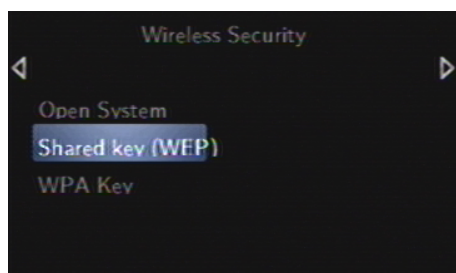※ Only WEP encrypted ♪
connection is explained.♪
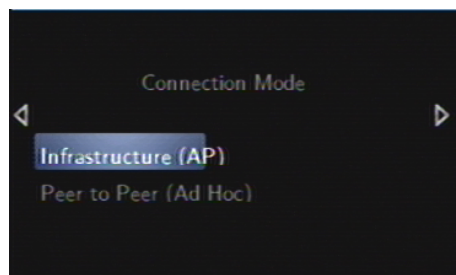
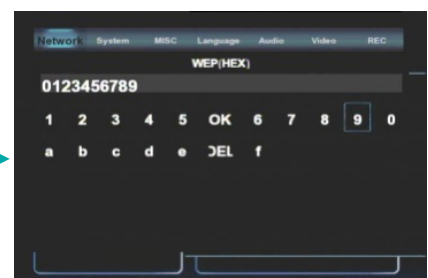Select signal search mode.♪
Move to the next step.♪
♪

When SSID for connection is ♪
displayed, select it and move to the♪
next step.♪

Check the selected SSID. Press OK ♪
and move to the next step.♪
♪

Select wireless security encryption. ♪
WEP Auto (Open/Shared key) / ♪
WPA is supported.♪

When encryption input screen is ♪
displayed, enter the accurate ♪
password and press OK to attempt ♪
connection. ♪

6) System Setting♪

① Time ♪
♪
Set time of MvixPVR that serves as the basis of using TIMER function. ♪
Using up/ down/ left/ right keys in remote controller, ♪
set year/ month/ day/ hour/ minute/ second. ♪
Press OK to save the set values. ♪

② HDD Format♪
♪
Manual format is enabled when installing hard disk for the first time or ♪
replacing it. ♪
※ Formatting erases all data in hard disk. Caution is required as the ♪
erased data cannot be restored. ♪

③ Restoring Default Value ♪
All set values are restored to default.♪
※ Data in hard disk are not deleted or initialized. ♪
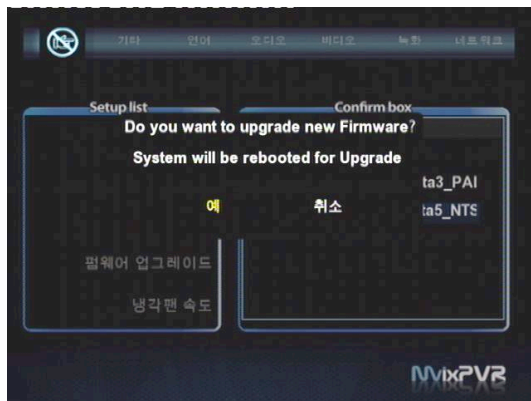To initialize HDD, use HDD Format menu. ♪
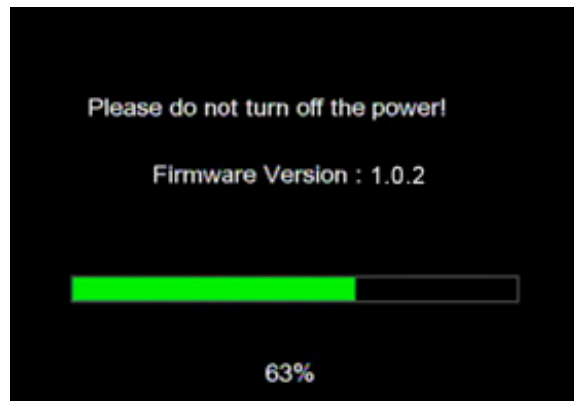
64♪

Chapter 4. Media Environment Setting

1. Select USB memory.
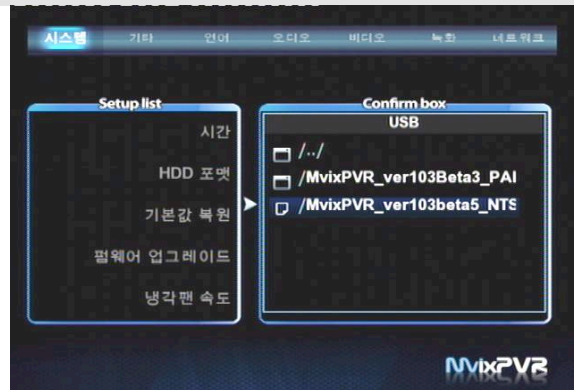
2. Select firmware update file in root.


<Press OK to start firmware update without system rebooting.>

<Firmware update begins.>

④ Check before Firmware Upgrade

To proceed with firmware update, all movies downloaded in MvixLIVE are deleted. You must backup or download the movies again. Also, the setup value of UPnP is changed to default value. So, use the UPnP setup backup menu.
Currently, firmware version is displayed and firmware update through USB storage device is possible.
Update is administered only when copying firmware to a root that is not located at the lower position of a folder in USB flash memory (Ex.: D:\).
Visit our website (http://www.eunicorn.co.kr / http://www.mvix.net) for more details on firmware download and update.
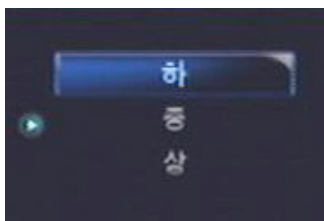
⑤ **Cooling Fan Speed Control**

Cooling Fan Speed: Fan speed can be adjusted in 3 levels. When ambient temperature is high, it may lead to lowering of speed or system down. This function lets you adjust fan noise level and speed to suit the ambient temperature..
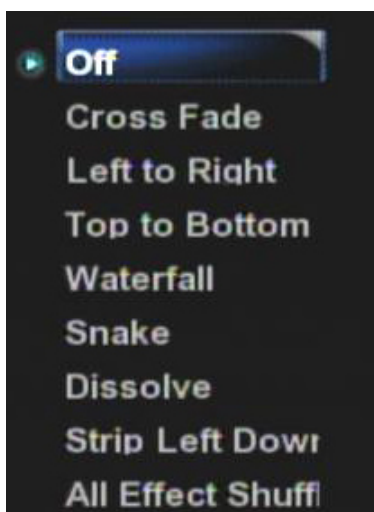
7) Other Settings
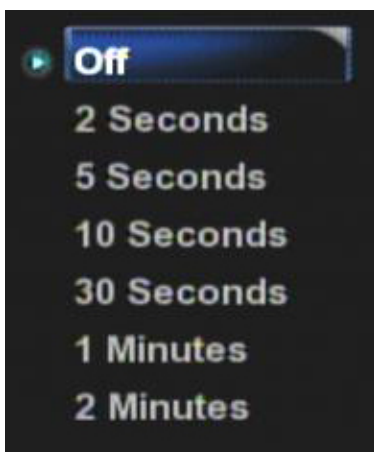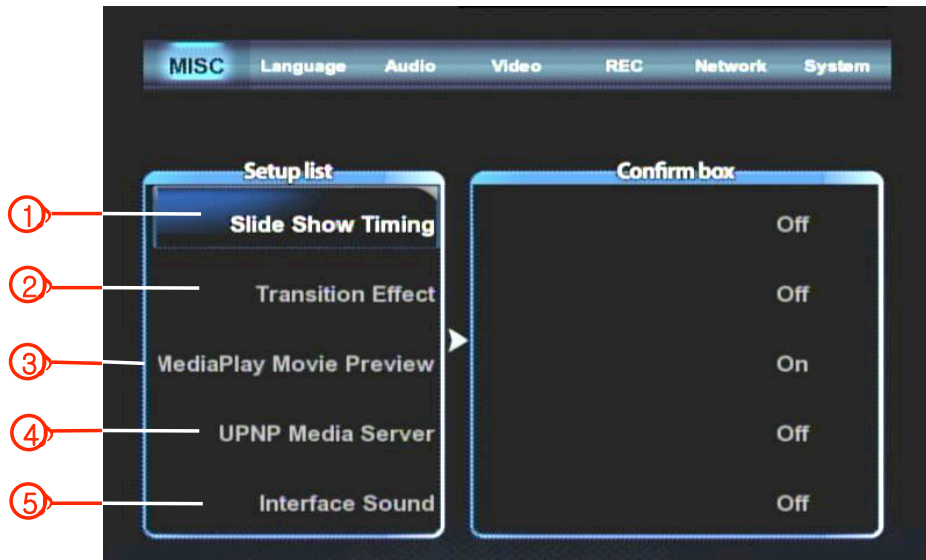
① Slide Show Time♪
♪
This is to set the time of which ♪
display is produced and maintained when viewing photos. ♪
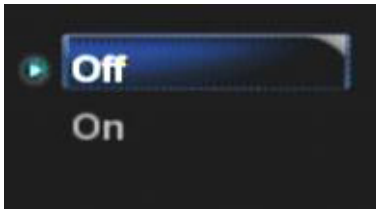Time can be designated as off/ 2sec/ 5sec/ 10sec/ 30sec/ 1min/ 2min. ♪

② Transition Effect♪
♪
When viewing photos, transition effect to move to the next photo is ♪
set. Total of 7 effects are available. All other randomly applied ♪
effects are also supported. ♪

③ **MediaPlay Movie Preview♪**
♪

In Media Play function, you can disable or enable preview function. ♪
This is not applied in Playback menu. On/Off setting can be made by ♪
using Preview key in remote controller. ♪

Play List: This function can be used by connecting to UPnP Media Server. Music files listed as favorites in My List of Media Library are played together with slide show.
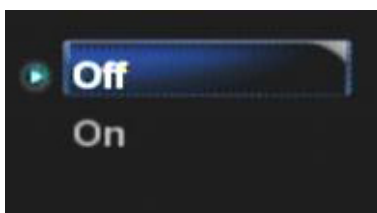
④ **UPNP Media Server♪**
♪

UPnP server implementation is possible. You can play or download ♪
HDD files by connecting with IP address of MvixPVR from local PC.♪
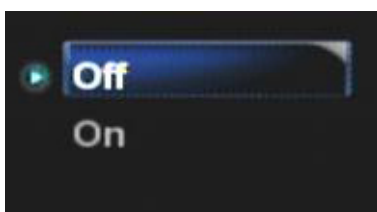
⑤ **Interface Sound♪**
♪

Sound effect for MvixPVR menus is set.♪

1) Mvix FTS Installation ♪


What is Mvix FTS? ♪

This program converts and transmits movies ♪
made with a CODEC that is not supported in ♪
MvixPVR into MPEG CODEC on a real-time basis. ♪
MvixFTS enables to transcode the output of ♪
movies in H.264/ WMV / MOV / RMVB / RM ♪
mode. MvixFTS can be used only when it is ♪
installed in a PC that is connected to the same ♪
local network.♪
This function is limited to movie sources saved in PC r
ather than H.264 files saved in HDD built ins
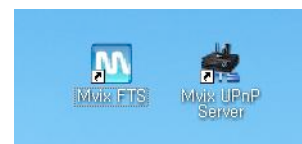ide MvixPVR.

When the above screen appears, click Next.♪

Find Mvix FTS program in the CD enclosed in this product package and start installation. ♪
Mvix FTS program can be downloaded in data room at http://www.mvix.net or http://www.eunicorn.co.kr♪
♪
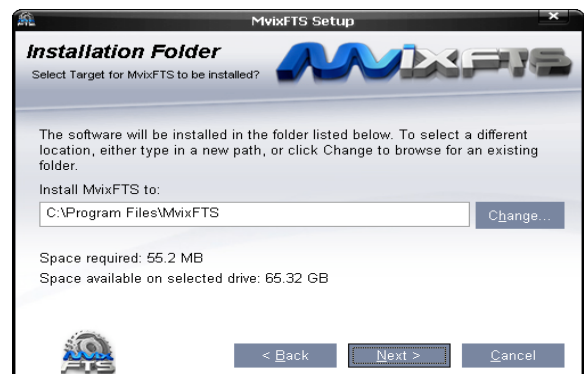
Screen to designate program installation route is displayed. Click Install. ♪
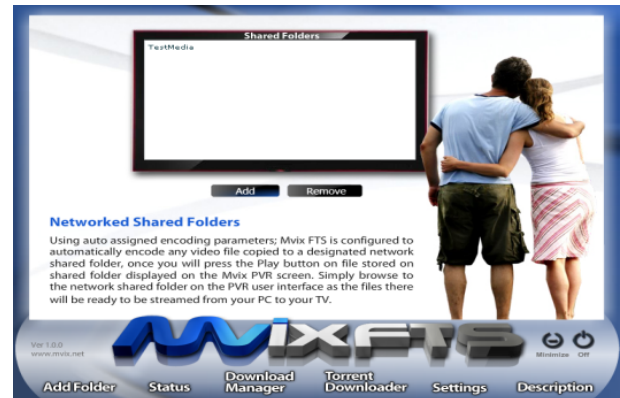

Shortcut Icon♪

TaskBar Icon♪

Installation is completed. Program will be executed. ♪

Program is executed by icon on background screen ♪
or in 'Start -> Program -> Mvix FTS program group. ♪

Chapter 5. MvixFTS Use and Share

When running program, the above screen is displayed. Click Net Share Dialog to display the following ♪
       screen. If share folders exist in PC, the folders will be displayed in list. If the share folder added is not displayed, click Add and set the corresponding folder.
In some virus vaccines, firewall function disables streaming. Make sure to clear firewall before use.

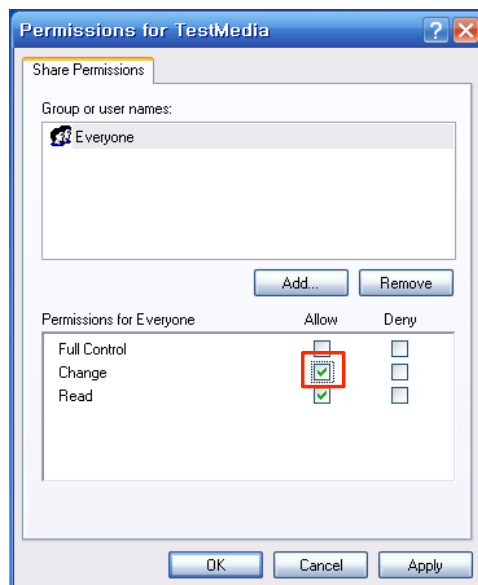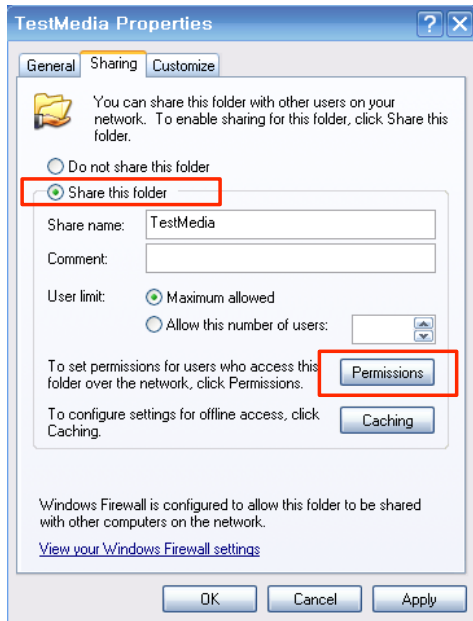## 2) Windows XP Share Folder Setting
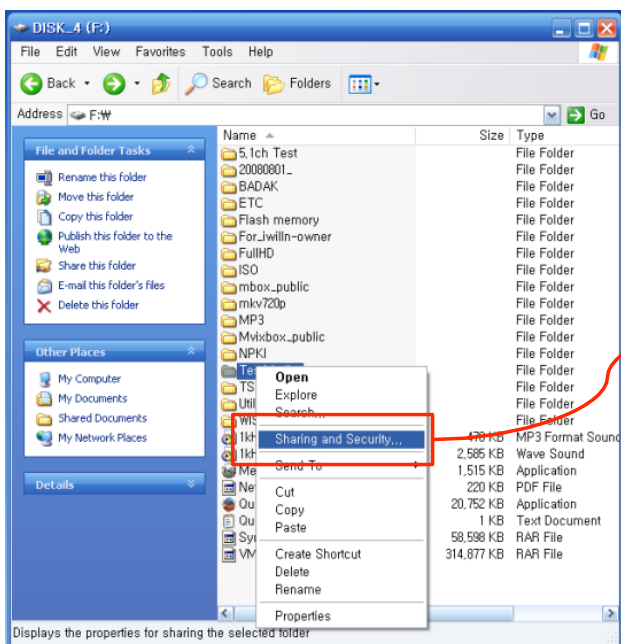
First, you must share the folder that includes a movie ♪
you intend to play by using MvixFTS server. This ♪
Description is given based on Windows XP SP3. ♪
♪
As shown in the picture, select a folder and right-click ♪
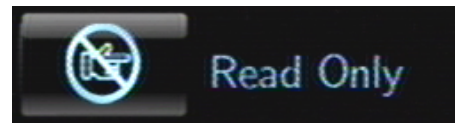it to display a popup. Then, select the menu. ♪
♪
♪
♪

3) Change/ Give Power for Windows XP Share Folder (Copy Function)♪

Share setting screen of folder registration info. is displayed as of the following. ♪

Check 'share this folder in network' and press OK. ♪

<Ref. #1>♪

Check share attributes of share folder if 'Read Only' is displayed as of the above when copying a file to the share folder of NET PC using COPY function. Check 'network user can change my file'. Then, you can copy files to the share folder of PC in network when using Mvix PVR COPY function. ♪

♪

※ COPY function can be used not only for video files, but also for all other files. ♪

Run Mvix FTS program again and press OK in Net Share Dialog menu. You will see that a folder designated of network share setting is automatically added. ♪

♪

Video files of H.264/ WMV/ PMVB/ RM/ MOV mode contained in a share folder registered in MvixFTS can be played by streaming in MvixPVR.♪

♪

MvixFTS program must be kept on in PC. Play will be stopped if PC is turned off or program is closed. ♪

※ MvixFTS program does not operate when playing CODEC supported by PVR in network. Therefore, it is not necessary to execute the program. Run MvixFTS program when playing the movies of H.264/WMV/RMVB/MOV/RM, etc.♪

♪

Note

For operation test of MvixFTS program, we guarantee operation in operation system with the latest security patch of Windows XP SP3 and Vista SP1. In case PC specifications do not allow successful converting of H.264 movies or of abnormal OS status, program operation may be disabled. We do not guarantee operation in these cases.

If program execution is not successful, install Microsoft Visual C++ or download the latest security patch.

4) Windows Vista Share Folder Setting
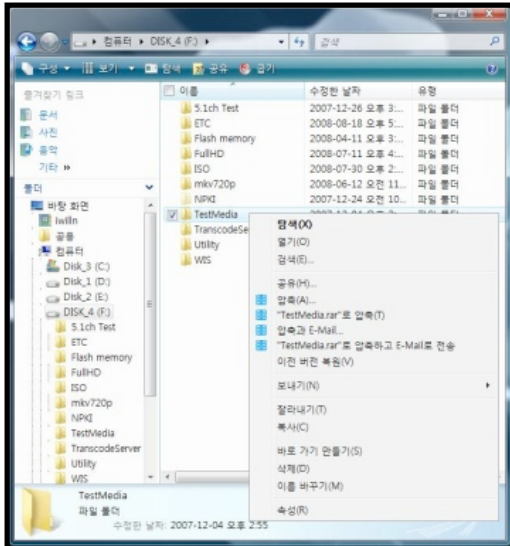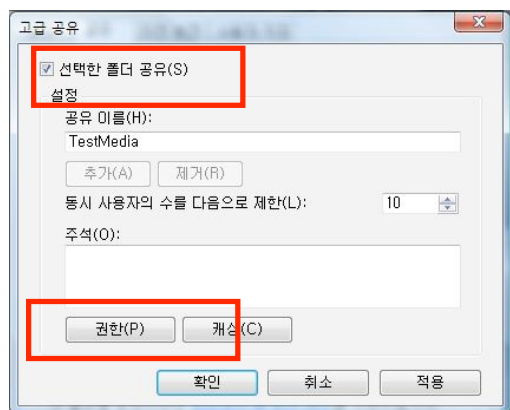

Set and Apply Share Folder & Copy To Folder in Windows Vista♪

1. Select a folder in Windows Explorer to activate of the fu nctions for playing share folder using network and for cop ying files to in Windows Vista. Right-click the folder. Whe n popup is displayed, click 'attributes'. ♪
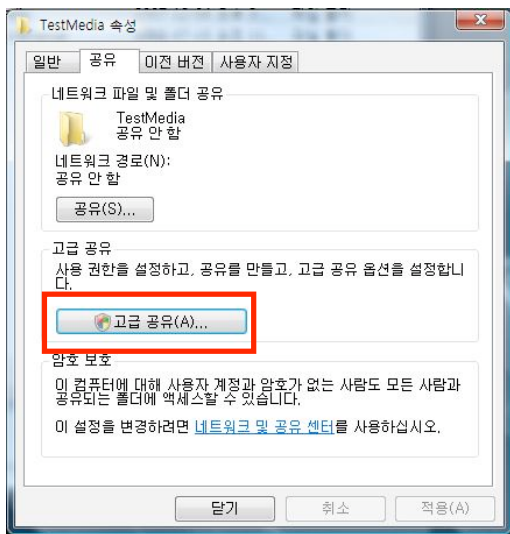
2. Click 'advanced share'. ♪

3. Click and check the selected share folder. Then, clic k power. ♪
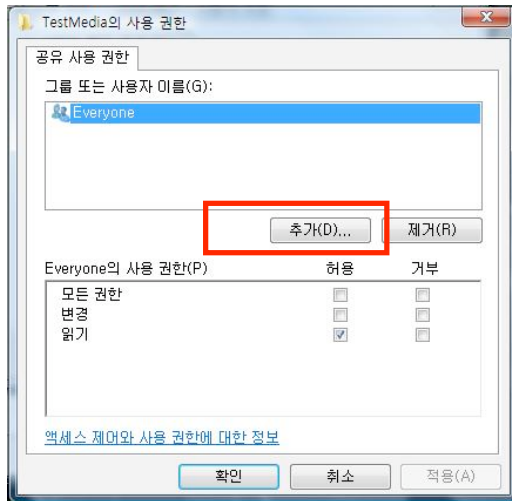
4. When a menu to set the power of use is displayed, you will see that 'everyone' has been added as default. You need to register 'Guest' user here. Click 'Add'. ♪

♪
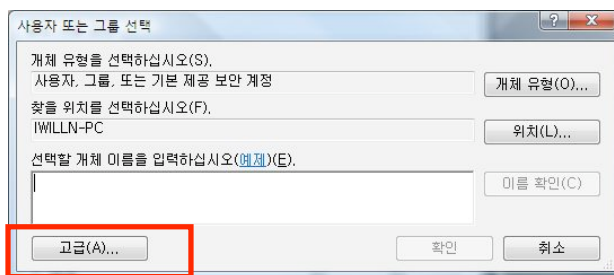
5. When another window is displayed to add a user or group, click 'Advance'. ♪
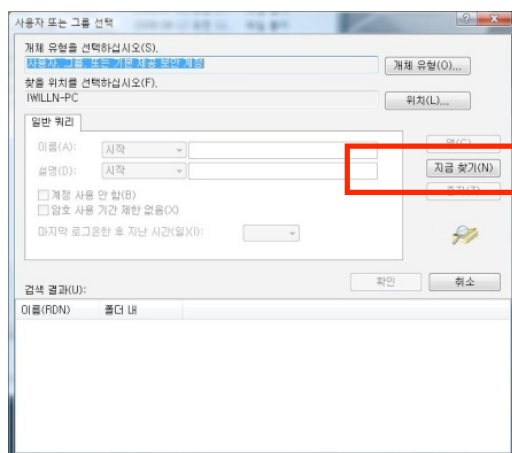
6. Click 'Search Now' marked in the picture.♪

7. The list of search results shows 'Guest'. Select it as of the picture and either double-click it or click OK. ♪

8. Check that 'computer₩Guest" has been added as of the picture. Click OK. ♪

5) Change/ Give Power for Windows Vista Share Folder (Copy Function)
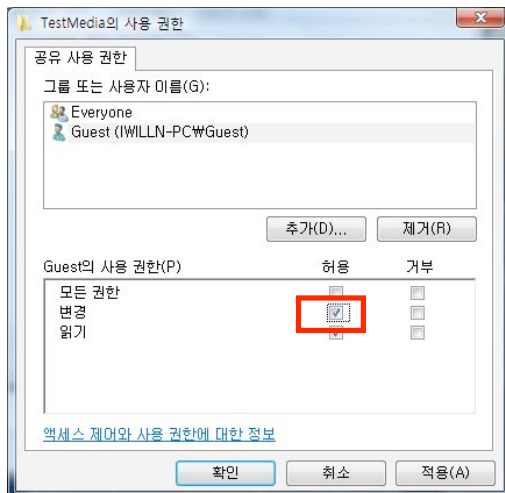
9. Check 'Allow Change' when guest account is added. When the following screen is displayed, press OK. Checking 'Allow Change' enables you to copy files to the corresponding folder when using COPY function. Do not check it if you only intend to play media files through network share. ♪

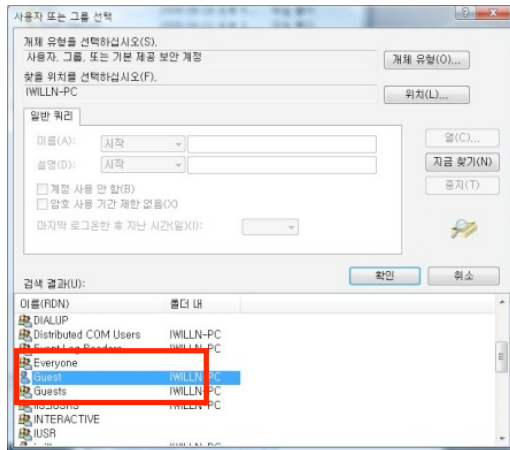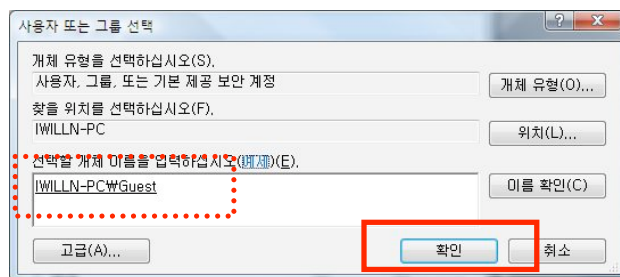※ Caution is required as all users of the same network status can access the folder and administer read/ modify/ write/ delete♪
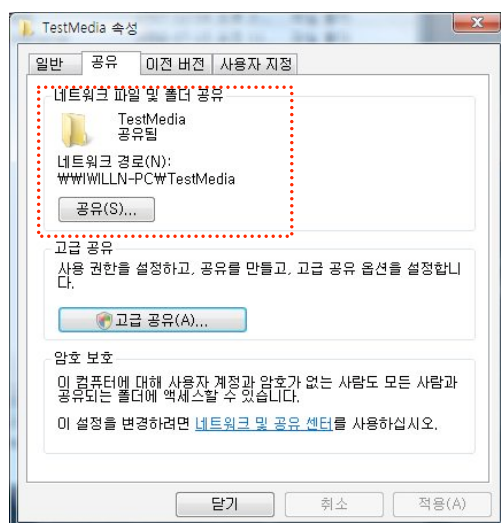
10. Press OK or Apply if the procedure up to No. 9 has been successfully completed. Check if share folder has been added as in the picture. Complete the process of giving power for share folder in Windows Vista.♪

※ If file is not visible in Windows Vista, check setups as of the following.

In Control Panel -> Network and Share Center, check setups for 'Use File Sharing' and 'Not Using Share Protected with Encryption' as of the above.

MvixPVR

IPod Expanded Connection♪

♪

System Requirements♪
iPod® compatibility ♪
This product may not be compatible to all iPod models according to iPod firmware version and model. ♪
※ iPod is not included in product package. iPod is the trademark of Apple Inc. registered in the US and other countries. ♪
♪
※ The following contents have been written based on iPod classic.♪
♪

–Place iPod facing the same direction as the front of ♪
 PVR product. Connect iPod by using dock connector. ♪
–This can be used as iPod® charger.♪

–Press iPod key on PVR power on/ off button on remote controller to change mode to iPod ♪
 control. Here, LCD window displays 'iPod'. This means that iPod mode conversion has ♪
 succeeded. ♪
–Each time iPod button is pressed, reception of remote controller alternates between ♪
 PVR and iPod. ♪
–Press Play key in remote controller to play MP3 against the background of movie or ♪
 photo slide. ♪
–Photo files are displayed by TVOUT in iPod only when they are played in slide show by ♪
 pressing Play. ♪

♪

-Button in blue are used used when remote ♪
 controller is converted to iPod mode.♪

♪

※ TVOUT function must be activated when playing movie and running photo slide function in ♪
  iPod so that they can be displayed through digital recorder screen of MvixPVR. Standard ♪
  menu screens, such as of file list, etc. displayed in iPod LCD window, are not displayed in ♪
  MvixPVR. Therefore, the screens are not displayed through TVOUT. ♪
♪
※ To play mp3 only after connecting iPod to MvixPVR, sound signal is automatically transmitted ♪
  through MvixPVR. However, according to the media play devices connected, sound signal ♪
  may be blocked and not produced if there is no image signal. ♪
♪
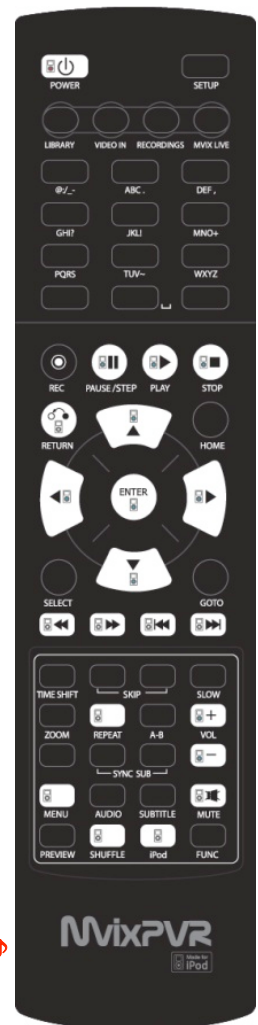
Warranty
제품보증서

Warranty period of this product is calculated from the date of purchasing this product. Therefore, make sure to have the date of purchased entered so that to receive service properly. Or, keep the receipt of purchase and submit it together with service application. In case it is impossible to locate the date of purchase, warranty period is calculated from the day 2 months after the manufacturing date of this product.

Product Name♪	HD Multimedia Player	Product Model♪	Mvix (MvixPVR)
Manufacturing No.		Date of Purchase	
Place of Purchase♪			
Customer Details	Name		Tel.	
	E-mail			
	Address			

✍ **Basis of Consumer Damage Compensation**
Consumer damage compensation for this product complies with regulations of consumer damage compensation announced by the Ministry of Finance and Economy.

✍ **Details of Warranty**
This product has been produced through strict quality control and inspection process. In case defects occur, you can receive free after-sale service for 1 year after purchasing of this product. (However, service charge will incur if applicable even during warranty period.) Present warranty card or receipt when requesting repair of this product.

✍ **Exceptions**
Power adaptor, various cables and bags, batteries, user manual, installation CD and other accessories as well as hard disk not sold by Unicorn Information System are excluded from the scope of warranty. Back up data in hard disk to prepare for loss. **Note that Unicorn Information System shall not be held liable for data loss caused by problems in use. Make sure to back up hard disk contents at all times.**

✍ **Paid Service**
Service charge will apply in the following cases even during warranty period of this product.
- Breakdown due to user's negligence in handling product
- Breakdown due to repair by persons other than the designated after-sale service staffs
- Natural calamities (fire, damage from sea wind, flood, lightning and others prescribed as natural calamities)
- Corrosion due to flooding or pollution by foreign substances
- Damage to product or functional defect due to dropping of product or impact
- Deformation of damage to outside of product due to organic solvents, such as thinner or benzene, etc.
- Breakdown due to random modification of the inside of product by user
- Breakdown due to using of peripherals, etc. not provided by Unicorn Information System
- Other cases acknowledged of the user's negligence

✍ **Directions for After Sale Service Application**
In principle, you must personally visit the head office or service branch. Under inevitable circumstances, you may use delivery service provided that the cost of delivery service is paid by you.

UNICORN
Network Total Solution

Address ♪ ♪	**Head Office** Level 5 Wunbo Bldg., 226-16 Seokchon-♪ dong, Songpa-gu, Seoul, Korea♪
Tel.♪	1588-2713♪
Fax♪	(02)420-2723♪
E-mail♪	service@eunicorn.co.kr	unicorn@eunicorn.co.kr♪
Website♪	http://www.eunicorn.co.kr♪